



300# Flanged Immersion Heaters - Type IF

Applications:

60 and 45 Watts Per Square Inch

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

30 and 35 Watts Per Square Inch

For Fuel Gas , low temperature air and gas heating

23 and 20 Watts Per Square Inch

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

15 and 12 Watts Per Square Inch

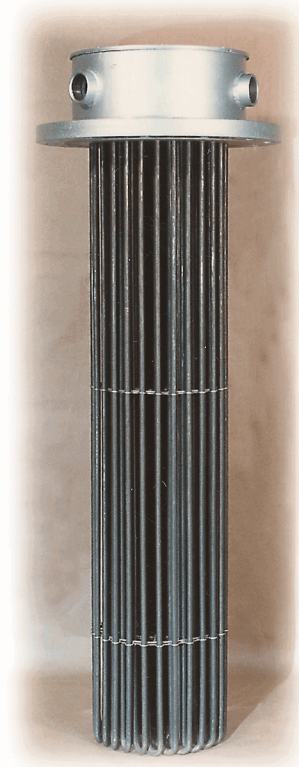
For lubricating oils, medium viscosity oils, high temperature air and gas heating.

8 and 6 Watts Per Square Inch

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

4 and 2 Watts Per Square Inch

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



Standard Features:

Heating Elements

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

Spacer/Support

High Temperature Alloy Material
Rugged Design
"Evenflow" Configuration

Construction

Welded Heating Elements
Welded Terminal Housing

Service

Wiring Modifiable in Field
Assembly repairable at Factory

Optional Features

Terminal Housings

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

Flange Materials

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

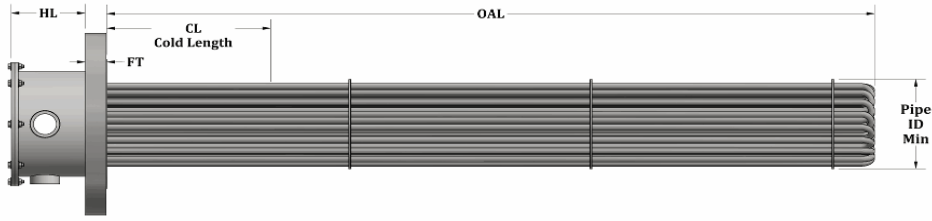
Sensors

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

Certifications

CSA	UL
ATEX	IEC eX
CRN	

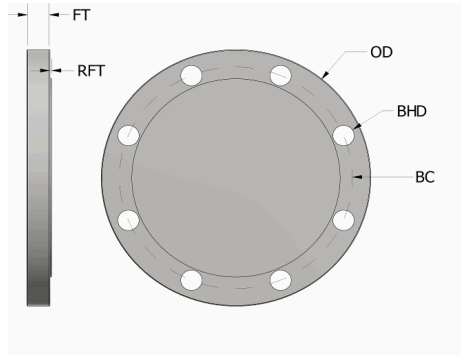
Heater Dimensional Drawing Data



Housing Dimensions (HL) (Inches)

<u>Dia</u>	<u>GP</u>	<u>LT</u>	<u>ER</u>	<u>Ex d</u>
2.50	5.50	5.50	7.00	6.38
3.00	5.50	5.50	7.00	6.38
4.00	5.50	5.50	7.00	6.38
5.00	5.50	5.50	7.00	6.38
6.00	5.50	5.50	7.00	7.38
8.00	5.50	5.50	8.00	8.37
10.00	7.00	6.75	12.00	10.50
12.00	7.00	6.75	12.00	10.50
14.00	7.00	6.75	12.00	10.50
16.00	9.00	6.75	12.00	10.50
18.00	9.00	6.75	14.00	10.63
20.00	9.00	6.75	14.00	10.75
24.00	11.00	6.75	14.00	10.75

300# Flange Dimensional Drawing Data



<u>Dia</u>	<u>OD</u>	<u>FT</u>	<u>RFT</u>	<u>BC</u>	<u>BHD</u>	<u>Q BH</u>
2.50	7.50	0.94	0.06	5.88	0.88	8.00
3.00	8.25	1.06	0.06	6.63	0.88	8.00
4.00	10.00	1.19	0.06	7.88	0.88	8.00
5.00	11.00	1.31	0.06	9.25	0.88	8.00
6.00	12.50	1.38	0.06	10.63	0.88	12.00
8.00	15.00	1.56	0.06	13.00	1.00	12.00
10.00	17.50	1.81	0.06	15.25	1.13	16.00
12.00	20.50	1.94	0.06	17.75	1.25	16.00
14.00	23.00	2.06	0.06	20.25	1.25	20.00
16.00	25.50	2.19	0.06	22.50	1.38	20.00
18.00	28.00	2.31	0.06	24.75	1.38	24.00
20.00	30.50	2.44	0.06	27.00	1.38	24.00
24.00	36.00	2.69	0.06	32.00	1.63	24.00
30.00	43.00	3.69	0.06	39.25	1.88	28.00
36.00	50.00	4.31	0.06	46.00	2.13	32.00
42.00	50.75	4.63	0.06	47.50	1.75	32.00
48.00	57.75	5.19	0.06	54.00	2.00	32.00

300# Flanged Immersion Heaters - Type IF

60 Watts/Sq. Inch

3 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
33F3N18B4	7.50	3	480	1	9	17.75	3.69	2.90	1.13
33F3N20B4	8.63	3	480	1	10	19.75	3.69	2.90	1.13
33F3N25B2	11.50	3	240	1	28	25.25	3.69	2.90	1.13
33F3N25B4	11.50	3	480	1	14	25.25	3.69	2.90	1.13
33F3N33B2	15.00	3	240	1	36	32.75	3.69	2.90	1.13
33F3N33B4	15.00	3	480	1	18	32.75	3.69	2.90	1.13
33F3N38B4	18.00	3	480	1	22	38.25	5.69	2.90	1.13
33F3N36B4	19.25	3	480	1	23	35.75	3.69	2.90	1.13
33F3N43B4	20.00	3	480	1	24	42.75	5.69	2.90	1.13
33F3N52B4	25.00	3	480	1	30	51.75	5.69	2.90	1.13
33F3N57B4	25.00	3	480	1	30	56.75	10.69	2.90	1.13
33F3N61B4	30.00	3	480	1	36	61.25	5.69	2.90	1.13
33F3N68B4	30.00	3	480	1	36	68.25	12.69	2.90	1.13

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
34F6N18B4	15.00	6	480	1	18	17.63	3.56	3.83	1.25
34F6N20B4	17.25	6	480	1	21	19.63	3.56	3.83	1.25
34F6N25B2	23.00	6	240	2	55	25.13	3.56	3.83	1.25
34F6N25B4	23.00	6	480	1	28	25.13	3.56	3.83	1.25
34F6N33B2	30.00	6	240	2	72	32.63	3.56	3.83	1.25
34F6N33B4	30.00	6	480	1	36	32.63	3.56	3.83	1.25
34F6N38B4	36.00	6	480	1	43	38.13	5.56	3.83	1.25
34F6N36B4	38.50	6	480	1	46	35.63	3.56	3.83	1.25
34F6N43B4	40.00	6	480	1	48	42.63	5.56	3.83	1.25
34F6N52B4	50.00	6	480	2	60	51.63	5.56	3.83	1.25
34F6N57B4	50.00	6	480	2	60	56.63	10.56	3.83	1.25
34F6N61B4	60.00	6	480	2	72	61.13	5.56	3.83	1.25
34F6N68B4	60.00	6	480	2	72	68.13	12.56	3.83	1.25

5 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
35F9N18B4	22.50	9	480	1	27	17.50	3.44	4.81	1.38
35F9N20B4	26.00	9	480	1	31	19.50	3.44	4.81	1.38
35F9N25B4	34.50	9	480	1	41	25.00	3.44	4.81	1.38
35F9N43B4	60.00	9	480	3	72	42.50	5.44	4.81	1.38
35F9N52B4	75.00	9	480	3	90	51.50	5.44	4.81	1.38
35F9N57B4	75.00	9	480	3	90	56.50	10.44	4.81	1.38
35F9N61B4	90.00	9	480	3	108	61.00	5.44	4.81	1.38
35F9N68B4	90.00	9	480	3	108	68.00	12.44	4.81	1.38

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
36F12N18B4	30.00	12	480	1	36	17.44	3.38	5.76	1.44
36F12N20B4	34.75	12	480	1	42	19.44	3.38	5.76	1.44
36F15N18B4	37.50	15	480	1	45	17.44	3.38	5.76	1.44
36F12N25B4	46.00	12	480	2	55	24.94	3.38	5.76	1.44
36F12N33B4	60.00	12	480	2	72	32.44	3.38	5.76	1.44
36F12N38B4	72.00	12	480	2	87	37.94	5.38	5.76	1.44
36F12N36B4	77.25	12	480	2	93	35.44	3.38	5.76	1.44

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36F12N43B4	80.00	12	480	2	96	42.44	5.38	5.76	1.44
36F15N43B4	100.00	15	480	5	120	42.44	5.38	5.76	1.44
36F12N52B4	100.00	12	480	4	120	51.44	5.38	5.76	1.44
36F12N57B4	100.00	12	480	4	120	56.44	10.38	5.76	1.44
36F12N61B4	120.00	12	480	4	144	60.94	5.38	5.76	1.44
36F12N68B4	120.00	12	480	4	144	67.94	12.38	5.76	1.44
36F15N52B4	125.00	15	480	5	150	51.44	5.38	5.76	1.44
36F15N57B4	125.00	15	480	5	150	56.44	10.38	5.76	1.44
36F15N61B4	150.00	15	480	5	180	60.94	5.38	5.76	1.44
36F15N68B4	150.00	15	480	5	180	67.94	12.38	5.76	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
38F18N18B4	45.00	18	480	2	54	17.25	3.19	7.63	1.63
38F18N20B4	52.00	18	480	2	63	19.25	3.19	7.63	1.63
38F24N18B4	60.00	24	480	2	72	17.25	3.19	7.63	1.63
38F18N25B4	69.25	18	480	2	83	24.75	3.19	7.63	1.63
38F24N20B4	69.50	24	480	2	84	19.25	3.19	7.63	1.63
38F18N33B4	90.00	18	480	3	108	32.25	3.19	7.63	1.63
38F24N25B4	92.25	24	480	4	111	24.75	3.19	7.63	1.63
38F18N38B4	108.00	18	480	3	130	37.75	5.19	7.63	1.63
38F18N36B4	116.00	18	480	3	140	35.25	3.19	7.63	1.63
38F24N33B4	120.00	24	480	4	144	32.25	3.19	7.63	1.63
38F18N43B4	120.00	18	480	3	144	42.25	5.19	7.63	1.63
38F24N38B4	144.00	24	480	4	173	37.75	5.19	7.63	1.63
38F18N52B4	150.00	18	480	6	180	51.25	5.19	7.63	1.63
38F18N57B4	150.00	18	480	6	180	56.25	10.19	7.63	1.63
38F24N36B4	154.50	24	480	4	186	35.25	3.19	7.63	1.63
38F24N43B4	160.00	24	480	4	192	42.25	5.19	7.63	1.63
38F18N61B4	180.00	18	480	6	217	60.75	5.19	7.63	1.63
38F18N68B4	180.00	18	480	6	217	67.75	12.19	7.63	1.63
38F24N52B4	200.00	24	480	8	241	51.25	5.19	7.63	1.63
38F24N57B4	200.00	24	480	8	241	56.25	10.19	7.63	1.63
38F24N61B4	240.00	24	480	8	289	60.75	5.19	7.63	1.63
38F24N68B4	240.00	24	480	8	289	67.75	12.19	7.63	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
310F30N18B4	75.00	30	480	2	90	17.00	2.94	9.75	1.88
310F36N18B4	90.00	36	480	3	108	17.00	2.94	9.75	1.88
310F36N20B4	104.00	36	480	3	125	19.00	2.94	9.75	1.88
310F30N25B4	115.50	30	480	5	139	24.50	2.94	9.75	1.88
310F36N25B4	138.50	36	480	4	167	24.50	2.94	9.75	1.88
310F30N33B4	150.00	30	480	5	180	32.00	2.94	9.75	1.88
310F36N33B4	180.00	36	480	6	217	32.00	2.94	9.75	1.88
310F30N38B4	180.00	30	480	5	217	37.50	4.94	9.75	1.88
310F30N36B4	193.50	30	480	5	233	35.00	2.94	9.75	1.88
310F30N43B4	200.00	30	480	5	241	42.00	4.94	9.75	1.88
310F36N38B4	216.00	36	480	6	260	37.50	4.94	9.75	1.88
310F36N36B4	232.00	36	480	6	279	35.00	2.94	9.75	1.88
310F36N43B4	240.00	36	480	6	289	42.00	4.94	9.75	1.88
310F30N52B4	250.00	30	480	10	301	51.00	4.94	9.75	1.88
310F30N57B4	250.00	30	480	10	301	56.00	9.94	9.75	1.88
310F36N52B4	300.00	36	480	12	361	51.00	4.94	9.75	1.88

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310F36N57B4	300.00	36	480	12	361	56.00	9.94	9.75	1.88
310F30N61B4	300.00	30	480	10	361	60.50	4.94	9.75	1.88
310F30N68B4	300.00	30	480	10	361	67.50	11.94	9.75	1.88
310F36N61B4	360.00	36	480	12	433	60.50	4.94	9.75	1.88
310F36N68B4	360.00	36	480	12	433	67.50	11.94	9.75	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
312F48N43B4	320.00	48	480	8	385	41.88	4.81	11.75	2.00
312F48N52B4	400.00	48	480	16	481	50.88	4.81	11.75	2.00
312F48N57B4	400.00	48	480	16	481	55.88	9.81	11.75	2.00
312F48N61B4	480.00	48	480	16	577	60.38	4.81	11.75	2.00
312F48N68B4	480.00	48	480	16	577	67.38	11.81	11.75	2.00

300# Flanged Immersion Heaters - Type IF

45 Watts/Sq. Inch

3 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
33F3N10H4	3.00	3	480	1	4	10.25	3.69	2.90	1.13
33F3N18H2	6.00	3	240	1	14	17.75	3.69	2.90	1.13
33F3N18H4	6.00	3	480	1	7	17.75	3.69	2.90	1.13
33F3N20H2	7.50	3	240	1	18	19.75	3.69	2.90	1.13
33F3N20H4	7.50	3	480	1	9	19.75	3.69	2.90	1.13
33F3N25H2	9.00	3	240	1	22	25.25	3.69	2.90	1.13
33F3N25H4	9.00	3	480	1	11	25.25	3.69	2.90	1.13
33F3N33H2	12.00	3	240	1	29	32.75	3.69	2.90	1.13
33F3N33H4	12.00	3	480	1	14	32.75	3.69	2.90	1.13
33F3N40H2	15.00	3	240	1	36	40.25	3.69	2.90	1.13
33F3N40H4	15.00	3	480	1	18	40.25	3.69	2.90	1.13
33F3N48H4	18.00	3	480	1	22	47.75	3.69	2.90	1.13
33F3N52H4	18.00	3	480	1	22	51.75	5.69	2.90	1.13
33F3N61H4	25.00	3	480	1	30	61.25	5.69	2.90	1.13
33F3N68H4	25.00	3	480	1	30	68.25	12.69	2.90	1.13
33F3N80H4	33.25	3	480	1	40	78.75	10.69	2.90	1.13
33F3N88H4	37.50	3	480	1	45	88.75	5.69	2.90	1.13
33F3N95H4	37.50	3	480	1	45	95.75	12.69	2.90	1.13

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
34F6N10H4	6.00	6	480	1	7	10.13	3.56	3.83	1.25
34F6N18H2	12.00	6	240	1	29	17.63	3.56	3.83	1.25
34F6N18H4	12.00	6	480	1	14	17.63	3.56	3.83	1.25
34F6N20H4	15.00	6	480	1	18	19.63	3.56	3.83	1.25
34F6N20H2	15.00	6	240	1	36	19.63	3.56	3.83	1.25
34F6N25H2	18.00	6	240	1	43	25.13	3.56	3.83	1.25
34F6N25H4	18.00	6	480	1	22	25.13	3.56	3.83	1.25
34F6N33H2	24.00	6	240	2	58	32.63	3.56	3.83	1.25
34F6N33H4	24.00	6	480	1	29	32.63	3.56	3.83	1.25
34F6N40H2	30.00	6	240	2	72	40.13	3.56	3.83	1.25
34F6N40H4	30.00	6	480	1	36	40.13	3.56	3.83	1.25
34F6N48H4	36.00	6	480	1	43	47.63	3.56	3.83	1.25
34F6N52H4	36.00	6	480	1	43	51.63	5.56	3.83	1.25
34F6N61H4	50.00	6	480	2	60	61.13	5.56	3.83	1.25
34F6N68H4	50.00	6	480	2	60	68.13	12.56	3.83	1.25
34F6N80H4	66.50	6	480	2	80	78.63	10.56	3.83	1.25
34F6N88H4	75.00	6	480	2	90	88.63	5.56	3.83	1.25
34F6N95H4	75.00	6	480	2	90	95.63	12.56	3.83	1.25

5 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
35F9N10H4	9.00	9	480	1	11	10.00	3.44	4.81	1.38
35F9N18H2	18.00	9	240	1	43	17.50	3.44	4.81	1.38
35F9N18H4	18.00	9	480	1	22	17.50	3.44	4.81	1.38
35F9N20H4	22.50	9	480	1	27	19.50	3.44	4.81	1.38
35F9N25H4	27.00	9	480	1	32	25.00	3.44	4.81	1.38
35F9N33H4	36.00	9	480	1	43	32.50	3.44	4.81	1.38
35F9N61H4	75.00	9	480	3	90	61.00	5.44	4.81	1.38
35F9N68H4	75.00	9	480	3	90	68.00	12.44	4.81	1.38

300# Flanged Immersion Heaters - Type IF

35F9N80H4	99.75	9	480	3	120	78.50	10.44	4.81	1.38
35F9N88H4	112.50	9	480	3	135	88.50	5.44	4.81	1.38
35F9N95H4	112.50	9	480	3	135	95.50	12.44	4.81	1.38

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
36F12N10H4	12.00	12	480	1	14	9.94	3.38	5.76	1.44
36F15N10H4	15.00	15	480	1	18	9.94	3.38	5.76	1.44
36F12N18H2	24.00	12	240	2	58	17.44	3.38	5.76	1.44
36F12N18H4	24.00	12	480	1	29	17.44	3.38	5.76	1.44
36F15N18H4	30.00	15	480	1	36	17.44	3.38	5.76	1.44
36F12N20H2	30.00	12	240	2	72	19.44	3.38	5.76	1.44
36F12N20H4	30.00	12	480	1	36	19.44	3.38	5.76	1.44
36F12N25H2	36.00	12	240	2	87	24.94	3.38	5.76	1.44
36F12N25H4	36.00	12	480	1	43	24.94	3.38	5.76	1.44
36F15N20H4	37.50	15	480	1	45	19.44	3.38	5.76	1.44
36F12N33H4	48.00	12	480	2	58	32.44	3.38	5.76	1.44
36F12N40H4	60.00	12	480	2	72	39.94	3.38	5.76	1.44
36F12N48H4	72.00	12	480	2	87	47.44	3.38	5.76	1.44
36F12N52H4	72.00	12	480	2	87	51.44	5.38	5.76	1.44
36F12N61H4	100.00	12	480	4	120	60.94	5.38	5.76	1.44
36F12N68H4	100.00	12	480	4	120	67.94	12.38	5.76	1.44
36F15N61H4	125.00	15	480	5	150	60.94	5.38	5.76	1.44
36F15N68H4	125.00	15	480	5	150	67.94	12.38	5.76	1.44
36F12N80H4	133.00	12	480	4	160	78.44	10.38	5.76	1.44
36F12N88H4	150.00	12	480	4	180	88.44	5.38	5.76	1.44
36F12N95H4	150.00	12	480	4	180	95.44	12.38	5.76	1.44
36F15N80H4	166.50	15	480	5	200	78.44	10.38	5.76	1.44
36F15N88H4	187.50	15	480	5	226	88.44	5.38	5.76	1.44
36F15N95H4	187.50	15	480	5	226	95.44	12.38	5.76	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
38F18N10H4	18.00	18	480	1	22	9.75	3.19	7.63	1.63
38F24N10H4	24.00	24	480	1	29	9.75	3.19	7.63	1.63
38F18N18H4	36.00	18	480	1	43	17.25	3.19	7.63	1.63
38F18N20H4	45.00	18	480	2	54	19.25	3.19	7.63	1.63
38F24N18H4	48.00	24	480	2	58	17.25	3.19	7.63	1.63
38F18N25H4	54.00	18	480	2	65	24.75	3.19	7.63	1.63
38F24N20H4	60.00	24	480	2	72	19.25	3.19	7.63	1.63
38F24N25H4	72.00	24	480	2	87	24.75	3.19	7.63	1.63
38F18N33H4	72.00	18	480	2	87	32.25	3.19	7.63	1.63
38F18N40H4	90.00	18	480	3	108	39.75	3.19	7.63	1.63
38F24N33H4	96.00	24	480	4	115	32.25	3.19	7.63	1.63
38F18N48H4	108.00	18	480	3	130	47.25	3.19	7.63	1.63
38F18N52H4	108.00	18	480	3	130	51.25	5.19	7.63	1.63
38F24N40H4	120.00	24	480	4	144	39.75	3.19	7.63	1.63
38F24N48H4	144.00	24	480	4	173	47.25	3.19	7.63	1.63
38F24N52H4	144.00	24	480	4	173	51.25	5.19	7.63	1.63
38F18N61H4	150.00	18	480	6	180	60.75	5.19	7.63	1.63
38F18N68H4	150.00	18	480	6	180	67.75	12.19	7.63	1.63
38F18N80H4	199.50	18	480	6	240	78.25	10.19	7.63	1.63
38F24N61H4	200.00	24	480	8	241	60.75	5.19	7.63	1.63
38F24N68H4	200.00	24	480	8	241	67.75	12.19	7.63	1.63

300# Flanged Immersion Heaters - Type IF

38F18N88H4	225.00	18	480	6	271	88.25	5.19	7.63	1.63
38F18N95H4	225.00	18	480	6	271	95.25	12.19	7.63	1.63
38F24N80H4	266.00	24	480	8	320	78.25	10.19	7.63	1.63
38F24N88H4	300.00	24	480	8	361	88.25	5.19	7.63	1.63
38F24N95H4	300.00	24	480	8	361	95.25	12.19	7.63	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
310F30N10H4	30.00	30	480	1	36	9.50	2.94	9.75	1.88
310F36N10H4	36.00	36	480	1	43	9.50	2.94	9.75	1.88
310F30N18H4	60.00	30	480	2	72	17.00	2.94	9.75	1.88
310F36N18H4	72.00	36	480	2	87	17.00	2.94	9.75	1.88
310F30N20H4	75.00	30	480	2	90	19.00	2.94	9.75	1.88
310F36N20H4	90.00	36	480	3	108	19.00	2.94	9.75	1.88
310F36N25H4	108.00	36	480	3	130	24.50	2.94	9.75	1.88
310F30N33H4	120.00	30	480	5	144	32.00	2.94	9.75	1.88
310F36N33H4	144.00	36	480	4	173	32.00	2.94	9.75	1.88
310F30N40H4	150.00	30	480	5	180	39.50	2.94	9.75	1.88
310F36N40H4	180.00	36	480	6	217	39.50	2.94	9.75	1.88
310F30N48H4	180.00	30	480	5	217	47.00	2.94	9.75	1.88
310F30N52H4	180.00	30	480	5	217	51.00	4.94	9.75	1.88
310F36N48H4	216.00	36	480	6	260	47.00	2.94	9.75	1.88
310F36N52H4	216.00	36	480	6	260	51.00	4.94	9.75	1.88
310F30N61H4	250.00	30	480	10	301	60.50	4.94	9.75	1.88
310F30N68H4	250.00	30	480	10	301	67.50	11.94	9.75	1.88
310F36N61H4	300.00	36	480	12	361	60.50	4.94	9.75	1.88
310F36N68H4	300.00	36	480	12	361	67.50	11.94	9.75	1.88
310F30N80H4	333.00	30	480	10	401	78.00	9.94	9.75	1.88
310F30N88H4	375.00	30	480	10	451	88.00	4.94	9.75	1.88
310F30N95H4	375.00	30	480	10	451	95.00	11.94	9.75	1.88
310F36N80H4	399.50	36	480	12	481	78.00	9.94	9.75	1.88
310F36N88H4	450.00	36	480	12	541	88.00	4.94	9.75	1.88
310F36N95H4	450.00	36	480	12	541	95.00	11.94	9.75	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
312F48N40H4	240.00	48	480	8	289	39.38	2.81	11.75	2.00
312F48N48H4	288.00	48	480	8	346	46.88	2.81	11.75	2.00
312F48N52H4	288.00	48	480	8	346	50.88	4.81	11.75	2.00
312F48N61H4	400.00	48	480	16	481	60.38	4.81	11.75	2.00
312F48N68H4	400.00	48	480	16	481	67.38	11.81	11.75	2.00
312F48N80H4	533.00	48	480	16	641	77.88	9.81	11.75	2.00
312F54N80H4	599.00	54	480	18	721	77.88	9.81	11.75	2.00
312F48N88H4	600.00	48	480	16	722	87.88	4.81	11.75	2.00
312F48N95H4	600.00	48	480	16	722	94.88	11.81	11.75	2.00
312F54N88H4	675.00	54	480	18	812	87.88	4.81	11.75	2.00
312F54N95H4	675.00	54	480	18	812	94.88	11.81	11.75	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
314F54N80H4	599.00	54	480	18	721	77.75	9.69	13.00	2.13
314F60N80H4	666.00	60	480	20	801	77.75	9.69	13.00	2.13
314F54N88H4	675.00	54	480	18	812	87.75	4.69	13.00	2.13
314F54N95H4	675.00	54	480	18	812	94.75	11.69	13.00	2.13

300# Flanged Immersion Heaters - Type IF

314F60N88H4	750.00	60	480	20	902	87.75	4.69	13.00	2.13
314F60N95H4	750.00	60	480	20	902	94.75	11.69	13.00	2.13
314F72N80H4	799.00	72	480	24	961	77.75	9.69	13.00	2.13
314F72N88H4	900.00	72	480	24	1,083	87.75	4.69	13.00	2.13
314F72N95H4	900.00	72	480	24	1,083	94.75	11.69	13.00	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
316F84N80H4	932.00	84	480	28	1,121	77.63	9.56	15.00	2.25
316F90N80H4	999.00	90	480	30	1,202	77.63	9.56	15.00	2.25
316F84N88H4	1,050.00	84	480	28	1,263	87.63	4.56	15.00	2.25
316F84N95H4	1,050.00	84	480	28	1,263	94.63	11.56	15.00	2.25
316F96N80H4	1,066.00	96	480	32	1,282	77.63	9.56	15.00	2.25
316F90N88H4	1,125.00	90	480	30	1,353	87.63	4.56	15.00	2.25
316F90N95H4	1,125.00	90	480	30	1,353	94.63	11.56	15.00	2.25
316F96N88H4	1,200.00	96	480	32	1,443	87.63	4.56	15.00	2.25
316F96N95H4	1,200.00	96	480	32	1,443	94.63	11.56	15.00	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
318F108N88H4	1,350.00	108	480	36	1,624	87.50	4.44	17.00	2.38
318F108N95H4	1,350.00	108	480	36	1,624	94.50	11.44	17.00	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
320F120N88H4	1,500.00	120	480	40	1,804	87.38	4.31	19.00	2.50
320F120N95H4	1,500.00	120	480	40	1,804	94.38	11.31	19.00	2.50
320F126N88H4	1,575.00	126	480	42	1,894	87.38	4.31	19.00	2.50
320F126N95H4	1,575.00	126	480	42	1,894	94.38	11.31	19.00	2.50
320F132N88H4	1,650.00	132	480	44	1,985	87.38	4.31	19.00	2.50
320F132N95H4	1,650.00	132	480	44	1,985	94.38	11.31	19.00	2.50
320F144N88H4	1,800.00	144	480	48	2,165	87.38	4.31	19.00	2.50
320F144N95H4	1,800.00	144	480	48	2,165	94.38	11.31	19.00	2.50
320F162N88H4	2,025.00	162	480	54	2,436	87.38	4.31	19.00	2.50
320F162N95H4	2,025.00	162	480	54	2,436	94.38	11.31	19.00	2.50
320F180N88H4	2,250.00	180	480	60	2,706	87.38	4.31	19.00	2.50
320F180N95H4	2,250.00	180	480	60	2,706	94.38	11.31	19.00	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
324F192N88H4	2,400.00	192	480	64	2,887	87.13	4.06	23.00	2.75
324F192N95H4	2,400.00	192	480	64	2,887	94.13	11.06	23.00	2.75
324F216N88H4	2,700.00	216	480	72	3,248	87.13	4.06	23.00	2.75
324F216N95H4	2,700.00	216	480	72	3,248	94.13	11.06	23.00	2.75
324F234N88H4	2,925.00	234	480	78	3,518	87.13	4.06	23.00	2.75
324F234N95H4	2,925.00	234	480	78	3,518	94.13	11.06	23.00	2.75
324F240N88H4	3,000.00	240	480	80	3,609	87.13	4.06	23.00	2.75
324F240N95H4	3,000.00	240	480	80	3,609	94.13	11.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

30 Watts/Sq. Inch

3 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
33F3N44G4	9.00	3	480	1	11	44.25	10.69	2.90	1.13
33F3N56G4	12.00	3	480	1	14	56.25	10.69	2.90	1.13
33F3N67G4	15.00	3	480	1	18	67.25	10.69	2.90	1.13
33F3N80G4	18.00	3	480	1	22	80.25	12.69	2.90	1.13
33F3N100G4	22.50	3	480	1	27	100.25	12.69	2.90	1.13
33F3N120G4	28.50	3	480	1	34	120.25	12.69	2.90	1.13
33F3N140G4	33.00	3	480	1	40	140.25	16.69	2.90	1.13
33F3N160G4	39.00	3	480	1	47	160.25	16.69	2.90	1.13

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
34F6N44G4	18.00	6	480	1	22	44.13	10.56	3.83	1.25
34F6N56G4	24.00	6	480	1	29	56.13	10.56	3.83	1.25
34F6N67G4	30.00	6	480	1	36	67.13	10.56	3.83	1.25
34F6N80G4	36.00	6	480	1	43	80.13	12.56	3.83	1.25
34F6N100G4	45.00	6	480	2	54	100.13	12.56	3.83	1.25
34F6N120G4	57.00	6	480	2	69	120.13	12.56	3.83	1.25
34F6N140G4	66.00	6	480	2	79	140.13	16.56	3.83	1.25
34F6N160G4	78.00	6	480	2	94	160.13	16.56	3.83	1.25

5 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
35F9N44G4	27.00	9	480	1	32	44.00	10.44	4.81	1.38
35F9N56G4	36.00	9	480	1	43	56.00	10.44	4.81	1.38
35F9N100G4	67.50	9	480	3	81	100.00	12.44	4.81	1.38
35F9N120G4	85.50	9	480	3	103	120.00	12.44	4.81	1.38
35F9N140G4	99.00	9	480	3	119	140.00	16.44	4.81	1.38
35F9N160G4	117.00	9	480	3	141	160.00	16.44	4.81	1.38

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
36F12N44G4	36.00	12	480	1	43	43.94	10.38	5.76	1.44
36F12N56G4	48.00	12	480	2	58	55.94	10.38	5.76	1.44
36F12N67G4	60.00	12	480	2	72	66.94	10.38	5.76	1.44
36F12N80G4	72.00	12	480	2	87	79.94	12.38	5.76	1.44
36F12N100G4	90.00	12	480	4	108	99.94	12.38	5.76	1.44
36F15N100G4	112.50	15	480	5	135	99.94	12.38	5.76	1.44
36F12N120G4	114.00	12	480	4	137	119.94	12.38	5.76	1.44
36F12N140G4	132.00	12	480	4	159	139.94	16.38	5.76	1.44
36F15N120G4	142.50	15	480	5	171	119.94	12.38	5.76	1.44
36F12N160G4	156.00	12	480	4	188	159.94	16.38	5.76	1.44
36F15N140G4	165.00	15	480	5	198	139.94	16.38	5.76	1.44
36F15N160G4	195.00	15	480	5	235	159.94	16.38	5.76	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
38F18N44G4	54.00	18	480	2	65	43.75	10.19	7.63	1.63
38F24N44G4	72.00	24	480	2	87	43.75	10.19	7.63	1.63
38F18N56G4	72.00	18	480	2	87	55.75	10.19	7.63	1.63
38F18N67G4	90.00	18	480	3	108	66.75	10.19	7.63	1.63

300# Flanged Immersion Heaters - Type IF

38F24N56G4	96.00	24	480	4	115	55.75	10.19	7.63	1.63
38F18N80G4	108.00	18	480	3	130	79.75	12.19	7.63	1.63
38F24N67G4	120.00	24	480	4	144	66.75	10.19	7.63	1.63
38F18N100G4	135.00	18	480	6	162	99.75	12.19	7.63	1.63
38F24N80G4	144.00	24	480	4	173	79.75	12.19	7.63	1.63
38F18N120G4	171.00	18	480	6	206	119.75	12.19	7.63	1.63
38F24N100G4	180.00	24	480	8	217	99.75	12.19	7.63	1.63
38F18N140G4	198.00	18	480	6	238	139.75	16.19	7.63	1.63
38F24N120G4	228.00	24	480	8	274	119.75	12.19	7.63	1.63
38F18N160G4	234.00	18	480	6	281	159.75	16.19	7.63	1.63
38F24N140G4	264.00	24	480	8	318	139.75	16.19	7.63	1.63
38F24N160G4	312.00	24	480	8	375	159.75	16.19	7.63	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
310F36N44G4	108.00	36	480	3	130	43.50	9.94	9.75	1.88
310F30N56G4	120.00	30	480	5	144	55.50	9.94	9.75	1.88
310F36N56G4	144.00	36	480	4	173	55.50	9.94	9.75	1.88
310F30N67G4	150.00	30	480	5	180	66.50	9.94	9.75	1.88
310F36N67G4	180.00	36	480	6	217	66.50	9.94	9.75	1.88
310F30N80G4	180.00	30	480	5	217	79.50	11.94	9.75	1.88
310F36N80G4	216.00	36	480	6	260	79.50	11.94	9.75	1.88
310F30N100G4	225.00	30	480	10	271	99.50	11.94	9.75	1.88
310F36N100G4	270.00	36	480	12	325	99.50	11.94	9.75	1.88
310F30N120G4	285.00	30	480	10	343	119.50	11.94	9.75	1.88
310F30N140G4	330.00	30	480	10	397	139.50	15.94	9.75	1.88
310F36N120G4	342.00	36	480	12	411	119.50	11.94	9.75	1.88
310F30N160G4	390.00	30	480	10	469	159.50	15.94	9.75	1.88
310F36N140G4	396.00	36	480	12	476	139.50	15.94	9.75	1.88
310F36N160G4	468.00	36	480	12	563	159.50	15.94	9.75	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
312F48N44G4	144.00	48	480	4	173	43.38	9.81	11.75	2.00
312F48N56G4	192.00	48	480	8	231	55.38	9.81	11.75	2.00
312F48N67G4	240.00	48	480	8	289	66.38	9.81	11.75	2.00
312F48N80G4	288.00	48	480	8	346	79.38	11.81	11.75	2.00
312F54N80G4	324.00	54	480	9	390	79.38	11.81	11.75	2.00
312F48N100G4	360.00	48	480	16	433	99.38	11.81	11.75	2.00
312F54N100G4	405.00	54	480	18	487	99.38	11.81	11.75	2.00
312F48N120G4	456.00	48	480	16	548	119.38	11.81	11.75	2.00
312F54N120G4	513.00	54	480	18	617	119.38	11.81	11.75	2.00
312F48N140G4	528.00	48	480	16	635	139.38	15.81	11.75	2.00
312F54N140G4	594.00	54	480	18	714	139.38	15.81	11.75	2.00
312F48N160G4	624.00	48	480	16	751	159.38	15.81	11.75	2.00
312F54N160G4	702.00	54	480	18	844	159.38	15.81	11.75	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
314F54N80G4	324.00	54	480	9	390	79.25	11.69	13.00	2.13
314F60N80G4	360.00	60	480	10	433	79.25	11.69	13.00	2.13
314F54N100G4	405.00	54	480	18	487	99.25	11.69	13.00	2.13
314F72N80G4	432.00	72	480	12	520	79.25	11.69	13.00	2.13
314F60N100G4	450.00	60	480	20	541	99.25	11.69	13.00	2.13

300# Flanged Immersion Heaters - Type IF

314F54N120G4	513.00	54	480	18	617	119.25	11.69	13.00	2.13
314F72N100G4	540.00	72	480	24	650	99.25	11.69	13.00	2.13
314F60N120G4	570.00	60	480	20	686	119.25	11.69	13.00	2.13
314F54N140G4	594.00	54	480	18	714	139.25	15.69	13.00	2.13
314F60N140G4	660.00	60	480	20	794	139.25	15.69	13.00	2.13
314F72N120G4	684.00	72	480	24	823	119.25	11.69	13.00	2.13
314F54N160G4	702.00	54	480	18	844	159.25	15.69	13.00	2.13
314F60N160G4	780.00	60	480	20	938	159.25	15.69	13.00	2.13
314F72N140G4	792.00	72	480	24	953	139.25	15.69	13.00	2.13
314F72N160G4	936.00	72	480	24	1,126	159.25	15.69	13.00	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
316F84N80G4	504.00	84	480	14	606	79.13	11.56	15.00	2.25
316F90N80G4	540.00	90	480	15	650	79.13	11.56	15.00	2.25
316F96N80G4	576.00	96	480	16	693	79.13	11.56	15.00	2.25
316F84N100G4	630.00	84	480	28	758	99.13	11.56	15.00	2.25
316F90N100G4	675.00	90	480	30	812	99.13	11.56	15.00	2.25
316F96N100G4	720.00	96	480	32	866	99.13	11.56	15.00	2.25
316F84N120G4	798.00	84	480	28	960	119.13	11.56	15.00	2.25
316F90N120G4	855.00	90	480	30	1,028	119.13	11.56	15.00	2.25
316F96N120G4	912.00	96	480	32	1,097	119.13	11.56	15.00	2.25
316F84N140G4	924.00	84	480	28	1,111	139.13	15.56	15.00	2.25
316F90N140G4	990.00	90	480	30	1,191	139.13	15.56	15.00	2.25
316F96N140G4	1,056.00	96	480	32	1,270	139.13	15.56	15.00	2.25
316F84N160G4	1,092.00	84	480	28	1,314	159.13	15.56	15.00	2.25
316F90N160G4	1,170.00	90	480	30	1,407	159.13	15.56	15.00	2.25
316F96N160G4	1,248.00	96	480	32	1,501	159.13	15.56	15.00	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
318F108N100G4	810.00	108	480	36	974	99.00	11.44	17.00	2.38
318F108N120G4	1,026.00	108	480	36	1,234	119.00	11.44	17.00	2.38
318F108N140G4	1,188.00	108	480	36	1,429	139.00	15.44	17.00	2.38
318F108N160G4	1,404.00	108	480	36	1,689	159.00	15.44	17.00	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
320F120N100G4	900.00	120	480	40	1,083	98.88	11.31	19.00	2.50
320F126N100G4	945.00	126	480	42	1,137	98.88	11.31	19.00	2.50
320F132N100G4	990.00	132	480	44	1,191	98.88	11.31	19.00	2.50
320F144N100G4	1,080.00	144	480	48	1,299	98.88	11.31	19.00	2.50
320F120N120G4	1,140.00	120	480	40	1,371	118.88	11.31	19.00	2.50
320F126N120G4	1,197.00	126	480	42	1,440	118.88	11.31	19.00	2.50
320F162N100G4	1,215.00	162	480	54	1,461	98.88	11.31	19.00	2.50
320F132N120G4	1,254.00	132	480	44	1,508	118.88	11.31	19.00	2.50
320F120N140G4	1,320.00	120	480	40	1,588	138.88	15.31	19.00	2.50
320F180N100G4	1,350.00	180	480	60	1,624	98.88	11.31	19.00	2.50
320F144N120G4	1,368.00	144	480	48	1,645	118.88	11.31	19.00	2.50
320F126N140G4	1,386.00	126	480	42	1,667	138.88	15.31	19.00	2.50
320F132N140G4	1,452.00	132	480	44	1,747	138.88	15.31	19.00	2.50
320F162N120G4	1,539.00	162	480	54	1,851	118.88	11.31	19.00	2.50
320F120N160G4	1,560.00	120	480	40	1,876	158.88	15.31	19.00	2.50
320F144N140G4	1,584.00	144	480	48	1,905	138.88	15.31	19.00	2.50

300# Flanged Immersion Heaters - Type IF

320F126N160G4	1,638.00	126	480	42	1,970	158.88	15.31	19.00	2.50
320F180N120G4	1,710.00	180	480	60	2,057	118.88	11.31	19.00	2.50
320F132N160G4	1,716.00	132	480	44	2,064	158.88	15.31	19.00	2.50
320F162N140G4	1,782.00	162	480	54	2,143	138.88	15.31	19.00	2.50
320F144N160G4	1,872.00	144	480	48	2,252	158.88	15.31	19.00	2.50
320F180N140G4	1,980.00	180	480	60	2,382	138.88	15.31	19.00	2.50
320F162N160G4	2,106.00	162	480	54	2,533	158.88	15.31	19.00	2.50
320F180N160G4	2,340.00	180	480	60	2,815	158.88	15.31	19.00	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
324F192N100G4	1,440.00	192	480	64	1,732	98.63	11.06	23.00	2.75
324F216N100G4	1,620.00	216	480	72	1,949	98.63	11.06	23.00	2.75
324F234N100G4	1,755.00	234	480	78	2,111	98.63	11.06	23.00	2.75
324F240N100G4	1,800.00	240	480	80	2,165	98.63	11.06	23.00	2.75
324F192N120G4	1,824.00	192	480	64	2,194	118.63	11.06	23.00	2.75
324F216N120G4	2,052.00	216	480	72	2,468	118.63	11.06	23.00	2.75
324F192N140G4	2,112.00	192	480	64	2,540	138.63	15.06	23.00	2.75
324F234N120G4	2,223.00	234	480	78	2,674	118.63	11.06	23.00	2.75
324F240N120G4	2,280.00	240	480	80	2,742	118.63	11.06	23.00	2.75
324F216N140G4	2,376.00	216	480	72	2,858	138.63	15.06	23.00	2.75
324F192N160G4	2,496.00	192	480	64	3,002	158.63	15.06	23.00	2.75
324F234N140G4	2,574.00	234	480	78	3,096	138.63	15.06	23.00	2.75
324F240N140G4	2,640.00	240	480	80	3,176	138.63	15.06	23.00	2.75
324F216N160G4	2,808.00	216	480	72	3,378	158.63	15.06	23.00	2.75
324F234N160G4	3,042.00	234	480	78	3,659	158.63	15.06	23.00	2.75
324F240N160G4	3,120.00	240	480	80	3,753	158.63	15.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

23 Watts/Sq. Inch

3 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
33F3N10M2	1.50	3	240	1	4	10.25	3.69	2.90	1.13
33F3N13M1	2.25	3	120	1	11	13.25	3.69	2.90	1.13
33F3N13M2	2.25	3	120	1	11	13.25	3.69	2.90	1.13
33F3N13M4	2.25	3	480	1	3	13.25	3.69	2.90	1.13
33F3N18M2	3.00	3	240	1	7	17.75	3.69	2.90	1.13
33F3N18M4	3.00	3	480	1	4	17.75	3.69	2.90	1.13
33F3N20M2	3.75	3	240	1	9	19.75	3.69	2.90	1.13
33F3N20M4	3.75	3	480	1	5	20.25	3.69	2.90	1.13
33F3N25M1	4.50	3	120	1	22	25.25	3.69	2.90	1.13
33F3N25M2	4.50	3	240	1	11	25.25	3.69	2.90	1.13
33F3N25M4	4.50	3	480	1	5	25.25	3.69	2.90	1.13
33F3N33M4	6.00	3	480	1	7	32.75	3.69	2.90	1.13
33F3N40M2	7.50	3	240	1	18	40.25	3.69	2.90	1.13
33F3N40M4	7.50	3	480	1	9	40.25	3.69	2.90	1.13
33F3N48M4	9.00	3	480	1	11	47.75	3.69	2.90	1.13
33F3N52M2	10.00	3	240	1	24	51.75	5.69	2.90	1.13
33F3N52M4	10.00	3	480	1	12	51.75	5.69	2.90	1.13
33F3N59M4	10.00	3	480	1	12	57.75	12.69	2.90	1.13
33F3N64M2	12.75	3	240	1	31	64.25	5.69	2.90	1.13
33F3N64M4	12.75	3	480	1	15	64.25	5.69	2.90	1.13
33F3N73M4	12.75	3	480	1	15	71.75	16.69	2.90	1.13
33F3N77M2	15.00	3	240	1	36	76.75	5.69	2.90	1.13
33F3N77M4	15.00	3	480	1	18	76.75	5.69	2.90	1.13
33F3N88M4	16.75	3	480	1	20	88.75	5.69	2.90	1.13
33F3N95M4	16.75	3	480	1	20	93.75	12.69	2.90	1.13
33F3N106M4	18.75	3	480	1	23	106.25	12.69	2.90	1.13
33F3N120M4	23.25	3	480	1	28	120.25	12.69	2.90	1.13
33F3N140M4	26.25	3	480	1	32	140.25	16.69	2.90	1.13
33F3N160M4	30.00	3	480	1	36	160.25	16.69	2.90	1.13

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
34F6N10M2	3.00	6	240	1	7	10.13	3.56	3.83	1.25
34F6N13M2	4.50	6	120	1	22	13.13	3.56	3.83	1.25
34F6N13M4	4.50	6	480	1	5	13.13	3.56	3.83	1.25
34F6N13M1	4.50	6	120	1	22	13.13	3.56	3.83	1.25
34F6N18M2	6.00	6	240	1	14	17.63	3.56	3.83	1.25
34F6N18M4	6.00	6	480	1	7	17.63	3.56	3.83	1.25
34F6N20M2	7.50	6	240	1	18	19.63	3.56	3.83	1.25
34F6N20M4	7.50	6	480	1	9	20.13	3.56	3.83	1.25
34F6N25M2	9.00	6	240	1	22	25.13	3.56	3.83	1.25
34F6N25M4	9.00	6	480	1	11	25.13	3.56	3.83	1.25
34F6N33M4	12.00	6	480	1	14	32.63	3.56	3.83	1.25
34F6N40M2	15.00	6	240	1	36	40.13	3.56	3.83	1.25
34F6N40M4	15.00	6	480	1	18	40.13	3.56	3.83	1.25
34F6N48M4	18.00	6	480	1	22	47.63	3.56	3.83	1.25
34F6N52M2	20.00	6	240	1	48	51.63	5.56	3.83	1.25
34F6N52M4	20.00	6	480	1	24	51.63	5.56	3.83	1.25
34F6N59M4	20.00	6	480	1	24	57.63	12.56	3.83	1.25
34F6N64M2	25.50	6	240	2	61	64.13	5.56	3.83	1.25

300# Flanged Immersion Heaters - Type IF

34F6N64M4	25.50	6	480	1	31	64.13	5.56	3.83	1.25
34F6N73M4	25.50	6	480	1	31	71.63	16.56	3.83	1.25
34F6N77M2	30.00	6	240	2	72	76.63	5.56	3.83	1.25
34F6N77M4	30.00	6	480	1	36	76.63	5.56	3.83	1.25
34F6N88M4	33.50	6	480	1	40	88.63	5.56	3.83	1.25
34F6N95M4	33.50	6	480	1	40	93.63	12.56	3.83	1.25
34F6N106M4	37.75	6	480	1	45	106.13	12.56	3.83	1.25
34F6N120M4	46.75	6	480	2	56	120.13	12.56	3.83	1.25
34F6N140M4	52.50	6	480	2	63	140.13	16.56	3.83	1.25
34F6N160M4	60.00	6	480	2	72	160.13	16.56	3.83	1.25

5 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
35F9N10M2	4.50	9	240	1	11	10.00	3.44	4.81	1.38
35F9N13M4	6.75	9	480	1	8	13.00	3.44	4.81	1.38
35F9N18M2	9.00	9	240	1	22	17.50	3.44	4.81	1.38
35F9N18M4	9.00	9	480	1	11	17.50	3.44	4.81	1.38
35F9N20M2	11.25	9	240	1	27	19.50	3.44	4.81	1.38
35F9N20M4	11.25	9	480	1	14	20.00	3.44	4.81	1.38
35F9N25M2	13.50	9	240	1	32	25.00	3.44	4.81	1.38
35F9N25M4	13.50	9	480	1	16	25.00	3.44	4.81	1.38
35F9N33M4	18.00	9	480	1	22	32.50	3.44	4.81	1.38
35F9N40M4	22.50	9	480	1	27	40.00	3.44	4.81	1.38
35F9N48M4	27.00	9	480	1	32	47.50	3.44	4.81	1.38
35F9N52M4	30.00	9	480	1	36	51.50	5.44	4.81	1.38
35F9N59M4	30.00	9	480	1	36	57.50	12.44	4.81	1.38
35F9N64M4	38.25	9	480	1	46	64.00	5.44	4.81	1.38
35F9N73M4	38.25	9	480	1	46	71.50	16.44	4.81	1.38
35F9N120M4	70.00	9	480	3	84	120.00	12.44	4.81	1.38
35F9N140M4	78.75	9	480	3	95	140.00	16.44	4.81	1.38
35F9N160M4	90.00	9	480	3	108	160.00	16.44	4.81	1.38

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
36F12N10M2	6.00	12	240	1	14	9.94	3.38	5.76	1.44
36F15N10M2	7.50	15	240	1	18	9.94	3.38	5.76	1.44
36F12N13M4	9.00	12	480	1	11	12.94	3.38	5.76	1.44
36F15N13M4	11.25	15	480	1	14	12.94	3.38	5.76	1.44
36F12N18M4	12.00	12	480	1	14	17.44	3.38	5.76	1.44
36F12N18M2	12.00	12	240	1	29	17.44	3.38	5.76	1.44
36F15N18M2	15.00	15	240	1	36	17.44	3.38	5.76	1.44
36F15N18M4	15.00	15	480	1	18	17.44	3.38	5.76	1.44
36F12N20M2	15.00	12	240	1	36	19.44	3.38	5.76	1.44
36F12N20M4	15.00	12	480	1	18	19.94	3.38	5.76	1.44
36F12N25M2	18.00	12	240	1	43	24.94	3.38	5.76	1.44
36F12N25M4	18.00	12	480	1	22	24.94	3.38	5.76	1.44
36F15N20M2	18.75	15	240	1	45	19.44	3.38	5.76	1.44
36F15N20M4	18.75	15	480	1	23	19.94	3.38	5.76	1.44
36F15N25M4	22.50	15	480	1	27	24.94	3.38	5.76	1.44
36F12N33M4	24.00	12	480	1	29	32.44	3.38	5.76	1.44
36F15N33M4	30.00	15	480	1	36	32.44	3.38	5.76	1.44
36F12N40M2	30.00	12	240	2	72	39.94	3.38	5.76	1.44
36F12N40M4	30.00	12	480	1	36	39.94	3.38	5.76	1.44
36F12N48M4	36.00	12	480	1	43	47.44	3.38	5.76	1.44

300# Flanged Immersion Heaters - Type IF

36F15N40M4	37.50	15	480	1	45	39.94	3.38	5.76	1.44
36F12N52M2	40.00	12	240	2	96	51.44	5.38	5.76	1.44
36F12N52M4	40.00	12	480	1	48	51.44	5.38	5.76	1.44
36F12N59M4	40.00	12	480	1	48	57.44	12.38	5.76	1.44
36F12N64M4	51.00	12	480	2	61	63.94	5.38	5.76	1.44
36F12N73M4	51.00	12	480	2	61	71.44	16.38	5.76	1.44
36F12N77M4	60.00	12	480	2	72	76.44	5.38	5.76	1.44
36F12N88M4	67.00	12	480	2	81	88.44	5.38	5.76	1.44
36F12N95M4	67.00	12	480	2	81	93.44	12.38	5.76	1.44
36F12N106M4	75.50	12	480	2	91	105.94	12.38	5.76	1.44
36F12N120M4	93.50	12	480	4	112	119.94	12.38	5.76	1.44
36F12N140M4	105.00	12	480	4	126	139.94	16.38	5.76	1.44
36F15N120M4	117.00	15	480	5	141	119.94	12.38	5.76	1.44
36F12N160M4	120.00	12	480	4	144	159.94	16.38	5.76	1.44
36F15N140M4	131.00	15	480	5	158	139.94	16.38	5.76	1.44
36F15N160M4	150.00	15	480	5	180	159.94	16.38	5.76	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
38F18N13M4	13.50	18	480	1	16	12.75	3.19	7.63	1.63
38F24N13M4	18.00	24	480	1	22	12.75	3.19	7.63	1.63
38F18N18M4	18.00	18	480	1	22	17.25	3.19	7.63	1.63
38F18N20M4	22.50	18	480	1	27	19.75	3.19	7.63	1.63
38F24N18M4	24.00	24	480	1	29	17.25	3.19	7.63	1.63
38F18N25M4	27.00	18	480	1	32	24.75	3.19	7.63	1.63
38F24N20M4	30.00	24	480	1	36	19.75	3.19	7.63	1.63
38F24N25M4	36.00	24	480	1	43	24.75	3.19	7.63	1.63
38F18N33M4	36.00	18	480	1	43	32.25	3.19	7.63	1.63
38F18N40M4	45.00	18	480	2	54	39.75	3.19	7.63	1.63
38F24N33M4	48.00	24	480	2	58	32.25	3.19	7.63	1.63
38F18N48M4	54.00	18	480	2	65	47.25	3.19	7.63	1.63
38F24N40M4	60.00	24	480	2	72	39.75	3.19	7.63	1.63
38F18N52M4	60.00	18	480	2	72	51.25	5.19	7.63	1.63
38F18N59M4	60.00	18	480	2	72	57.25	12.19	7.63	1.63
38F18N59M2	60.00	18	240	2	144	58.75	12.19	7.63	1.63
38F24N48M4	72.00	24	480	2	87	47.25	3.19	7.63	1.63
38F18N64M4	76.50	18	480	2	92	63.75	5.19	7.63	1.63
38F18N73M4	76.50	18	480	2	92	71.25	16.19	7.63	1.63
38F24N52M4	80.00	24	480	2	96	51.25	5.19	7.63	1.63
38F24N59M4	80.00	24	480	2	96	57.25	12.19	7.63	1.63
38F18N77M4	90.00	18	480	3	108	76.25	5.19	7.63	1.63
38F18N88M4	100.50	18	480	3	121	88.25	5.19	7.63	1.63
38F18N95M4	100.50	18	480	3	121	93.25	12.19	7.63	1.63
38F24N64M4	102.00	24	480	4	123	63.75	5.19	7.63	1.63
38F24N73M4	102.00	24	480	4	123	71.25	16.19	7.63	1.63
38F18N106M4	113.00	18	480	3	136	105.75	12.19	7.63	1.63
38F24N77M4	120.00	24	480	4	144	76.25	5.19	7.63	1.63
38F24N88M4	134.00	24	480	4	161	88.25	5.19	7.63	1.63
38F24N95M4	134.00	24	480	4	161	93.25	12.19	7.63	1.63
38F18N120M4	140.00	18	480	6	168	119.75	12.19	7.63	1.63
38F24N106M4	151.00	24	480	4	182	105.75	12.19	7.63	1.63
38F18N140M4	157.50	18	480	6	189	139.75	16.19	7.63	1.63
38F18N160M4	180.00	18	480	6	217	159.75	16.19	7.63	1.63
38F24N120M4	187.00	24	480	8	225	119.75	12.19	7.63	1.63

300# Flanged Immersion Heaters - Type IF

38F24N140M4	210.00	24	480	8	253	139.75	16.19	7.63	1.63
38F24N160M4	240.00	24	480	8	289	159.75	16.19	7.63	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
310F30N13M4	22.50	30	480	1	27	12.50	2.94	9.75	1.88
310F36N13M4	27.00	36	480	1	32	12.50	2.94	9.75	1.88
310F30N18M4	30.00	30	480	1	36	17.00	2.94	9.75	1.88
310F36N18M4	36.00	36	480	1	43	17.00	2.94	9.75	1.88
310F30N20M4	37.50	30	480	1	45	19.50	2.94	9.75	1.88
310F36N20M4	45.00	36	480	2	54	19.50	2.94	9.75	1.88
310F30N25M4	45.00	30	480	2	54	24.50	2.94	9.75	1.88
310F36N25M4	54.00	36	480	2	65	24.50	2.94	9.75	1.88
310F30N33M4	60.00	30	480	2	72	32.00	2.94	9.75	1.88
310F36N33M4	72.00	36	480	2	87	32.00	2.94	9.75	1.88
310F30N40M4	75.00	30	480	2	90	39.50	2.94	9.75	1.88
310F36N40M4	90.00	36	480	3	108	39.50	2.94	9.75	1.88
310F30N52M4	100.00	30	480	5	120	51.00	4.94	9.75	1.88
310F30N59M4	100.00	30	480	5	120	57.00	11.94	9.75	1.88
310F36N48M4	108.00	36	480	3	130	47.00	2.94	9.75	1.88
310F36N52M4	120.00	36	480	3	144	51.00	4.94	9.75	1.88
310F36N59M4	120.00	36	480	3	144	57.00	11.94	9.75	1.88
310F36N66MX4	120.00	36	480	0	144	64.00	18.94	9.75	1.88
310F30N64M4	127.50	30	480	5	153	63.50	4.94	9.75	1.88
310F30N73M4	127.50	30	480	5	153	71.00	15.94	9.75	1.88
310F30N77M4	150.00	30	480	5	180	76.00	4.94	9.75	1.88
310F36N64M4	153.00	36	480	4	184	63.50	4.94	9.75	1.88
310F36N73M4	153.00	36	480	4	184	71.00	15.94	9.75	1.88
310F30N88M4	168.00	30	480	5	202	88.00	4.94	9.75	1.88
310F30N95M4	168.00	30	480	5	202	93.00	11.94	9.75	1.88
310F36N77M4	180.00	36	480	6	217	76.00	4.94	9.75	1.88
310F30N106M4	189.00	30	480	5	227	105.50	11.94	9.75	1.88
310F36N88M4	201.50	36	480	6	242	88.00	4.94	9.75	1.88
310F36N95M4	201.50	36	480	6	242	93.00	11.94	9.75	1.88
310F36N106M4	226.50	36	480	6	272	105.50	11.94	9.75	1.88
310F30N120M4	234.00	30	480	10	281	119.50	11.94	9.75	1.88
310F30N140M4	262.50	30	480	10	316	139.50	15.94	9.75	1.88
310F36N120M4	280.50	36	480	12	337	119.50	11.94	9.75	1.88
310F30N160M4	300.00	30	480	10	361	159.50	15.94	9.75	1.88
310F36N140M4	315.00	36	480	12	379	139.50	15.94	9.75	1.88
310F36N160M4	360.00	36	480	12	433	159.50	15.94	9.75	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
312F48N40M4	120.00	48	480	4	144	39.38	2.81	11.75	2.00
312F48N48M4	144.00	48	480	4	173	46.88	2.81	11.75	2.00
312F48N52M4	160.00	48	480	4	192	50.88	4.81	11.75	2.00
312F48N59M4	160.00	48	480	4	192	56.88	11.81	11.75	2.00
312F48N64M4	204.00	48	480	8	245	63.38	4.81	11.75	2.00
312F48N73M4	204.00	48	480	8	245	70.88	15.81	11.75	2.00
312F48N77M4	240.00	48	480	8	289	75.88	4.81	11.75	2.00
312F48N88M4	268.50	48	480	8	323	87.88	4.81	11.75	2.00
312F48N95M4	268.50	48	480	8	323	92.88	11.81	11.75	2.00
312F54N88M4	302.00	54	480	9	363	87.88	4.81	11.75	2.00

300# Flanged Immersion Heaters - Type IF

312F54N95M4	302.00	54	480	9	363	92.88	11.81	11.75	2.00
312F48N106M4	302.00	48	480	8	363	105.38	11.81	11.75	2.00
312F54N106M4	340.00	54	480	9	409	105.38	11.81	11.75	2.00
312F48N120M4	374.00	48	480	16	450	119.38	11.81	11.75	2.00
312F48N140M4	420.00	48	480	16	505	139.38	15.81	11.75	2.00
312F54N120M4	421.00	54	480	18	506	119.38	11.81	11.75	2.00
312F54N140M4	472.50	54	480	18	568	139.38	15.81	11.75	2.00
312F48N160M4	480.00	48	480	16	577	159.38	15.81	11.75	2.00
312F54N160M4	540.00	54	480	18	650	159.38	15.81	11.75	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
314F54N88M4	302.00	54	480	9	363	87.75	4.69	13.00	2.13
314F54N95M4	302.00	54	480	9	363	92.75	11.69	13.00	2.13
314F60N88M4	336.00	60	480	10	404	87.75	4.69	13.00	2.13
314F60N95M4	336.00	60	480	10	404	92.75	11.69	13.00	2.13
314F54N106M4	340.00	54	480	9	409	105.25	11.69	13.00	2.13
314F60N106M4	378.00	60	480	10	455	105.25	11.69	13.00	2.13
314F72N88M4	403.00	72	480	12	485	87.75	4.69	13.00	2.13
314F72N95M4	403.00	72	480	12	485	92.75	11.69	13.00	2.13
314F54N120M4	421.00	54	480	18	506	119.25	11.69	13.00	2.13
314F72N106M4	453.50	72	480	12	545	105.25	11.69	13.00	2.13
314F60N120M4	468.00	60	480	20	563	119.25	11.69	13.00	2.13
314F54N140M4	472.50	54	480	18	568	139.25	15.69	13.00	2.13
314F60N140M4	525.00	60	480	20	631	139.25	15.69	13.00	2.13
314F54N160M4	540.00	54	480	18	650	159.25	15.69	13.00	2.13
314F72N120M4	562.00	72	480	24	676	119.25	11.69	13.00	2.13
314F60N160M4	600.00	60	480	20	722	159.25	15.69	13.00	2.13
314F72N140M4	630.00	72	480	24	758	139.25	15.69	13.00	2.13
314F72N160M4	720.00	72	480	24	866	159.25	15.69	13.00	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
316F84N88M4	470.00	84	480	14	565	87.63	4.56	15.00	2.25
316F84N95M4	470.00	84	480	14	565	92.63	11.56	15.00	2.25
316F90N88M4	504.00	90	480	15	606	87.63	4.56	15.00	2.25
316F90N95M4	504.00	90	480	15	606	92.63	11.56	15.00	2.25
316F84N106M4	529.00	84	480	14	636	105.13	11.56	15.00	2.25
316F96N88M4	538.00	96	480	16	647	87.63	4.56	15.00	2.25
316F96N95M4	538.00	96	480	16	647	92.63	11.56	15.00	2.25
316F90N106M4	567.00	90	480	15	682	105.13	11.56	15.00	2.25
316F96N106M4	605.00	96	480	16	728	105.13	11.56	15.00	2.25
316F84N120M4	655.00	84	480	28	788	119.13	11.56	15.00	2.25
316F90N120M4	702.00	90	480	30	844	119.13	11.56	15.00	2.25
316F84N140M4	735.00	84	480	28	884	139.13	15.56	15.00	2.25
316F96N120M4	749.00	96	480	32	901	119.13	11.56	15.00	2.25
316F90N140M4	788.00	90	480	30	948	139.13	15.56	15.00	2.25
316F96N140M4	840.00	96	480	32	1,010	139.13	15.56	15.00	2.25
316F84N160M4	840.00	84	480	28	1,010	159.13	15.56	15.00	2.25
316F90N160M4	900.00	90	480	30	1,083	159.13	15.56	15.00	2.25
316F96N160M4	960.00	96	480	32	1,155	159.13	15.56	15.00	2.25

18 Inch Heaters

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

318F108N88M4	605.00	108	480	18	728	87.50	4.44	17.00	2.38
318F108N95M4	605.00	108	480	18	728	92.50	11.44	17.00	2.38
318F108N106M4	680.00	108	480	18	818	105.00	11.44	17.00	2.38
318F108N120M4	842.00	108	480	36	1,013	119.00	11.44	17.00	2.38
318F108N140M4	945.00	108	480	36	1,137	139.00	15.44	17.00	2.38
318F108N160M4	1,080.00	108	480	36	1,299	159.00	15.44	17.00	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
320F120N88M4	672.00	120	480	20	808	87.38	4.31	19.00	2.50
320F120N95M4	672.00	120	480	20	808	92.38	11.31	19.00	2.50
320F126N88M4	706.00	126	480	21	849	87.38	4.31	19.00	2.50
320F126N95M4	706.00	126	480	21	849	92.38	11.31	19.00	2.50
320F132N88M4	739.00	132	480	22	889	87.38	4.31	19.00	2.50
320F132N95M4	739.00	132	480	22	889	92.38	11.31	19.00	2.50
320F120N106M4	756.00	120	480	20	909	104.88	11.31	19.00	2.50
320F126N106M4	794.00	126	480	21	955	104.88	11.31	19.00	2.50
320F144N88M4	806.00	144	480	24	969	87.38	4.31	19.00	2.50
320F144N95M4	806.00	144	480	24	969	92.38	11.31	19.00	2.50
320F132N106M4	832.00	132	480	22	1,001	104.88	11.31	19.00	2.50
320F162N88M4	907.00	162	480	27	1,091	87.38	4.31	19.00	2.50
320F162N95M4	907.00	162	480	27	1,091	92.38	11.31	19.00	2.50
320F144N106M4	907.00	144	480	24	1,091	104.88	11.31	19.00	2.50
320F120N120M4	936.00	120	480	40	1,126	118.88	11.31	19.00	2.50
320F126N120M4	983.00	126	480	42	1,182	118.88	11.31	19.00	2.50
320F180N88M4	1,008.00	180	480	30	1,212	87.38	4.31	19.00	2.50
320F180N95M4	1,008.00	180	480	30	1,212	92.38	11.31	19.00	2.50
320F162N106M4	1,021.00	162	480	27	1,228	104.88	11.31	19.00	2.50
320F132N120M4	1,030.00	132	480	44	1,239	118.88	11.31	19.00	2.50
320F120N140M4	1,050.00	120	480	40	1,263	138.88	15.31	19.00	2.50
320F126N140M4	1,103.00	126	480	42	1,327	138.88	15.31	19.00	2.50
320F144N120M4	1,123.00	144	480	48	1,351	118.88	11.31	19.00	2.50
320F180N106M4	1,134.00	180	480	30	1,364	104.88	11.31	19.00	2.50
320F132N140M4	1,155.00	132	480	44	1,389	138.88	15.31	19.00	2.50
320F120N160M4	1,200.00	120	480	40	1,443	158.88	15.31	19.00	2.50
320F144N140M4	1,260.00	144	480	48	1,516	138.88	15.31	19.00	2.50
320F126N160M4	1,260.00	126	480	42	1,516	158.88	15.31	19.00	2.50
320F162N120M4	1,264.00	162	480	54	1,520	118.88	11.31	19.00	2.50
320F132N160M4	1,320.00	132	480	44	1,588	158.88	15.31	19.00	2.50
320F180N120M4	1,404.00	180	480	60	1,689	118.88	11.31	19.00	2.50
320F162N140M4	1,418.00	162	480	54	1,706	138.88	15.31	19.00	2.50
320F144N160M4	1,440.00	144	480	48	1,732	158.88	15.31	19.00	2.50
320F180N140M4	1,575.00	180	480	60	1,894	138.88	15.31	19.00	2.50
320F162N160M4	1,620.00	162	480	54	1,949	158.88	15.31	19.00	2.50
320F180N160M4	1,800.00	180	480	60	2,165	158.88	15.31	19.00	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
324F192N88M4	1,075.00	192	480	32	1,293	87.13	4.06	23.00	2.75
324F192N95M4	1,075.00	192	480	32	1,293	92.13	11.06	23.00	2.75
324F216N88M4	1,210.00	216	480	36	1,455	87.13	4.06	23.00	2.75
324F216N95M4	1,210.00	216	480	36	1,455	92.13	11.06	23.00	2.75
324F192N106M4	1,210.00	192	480	32	1,455	104.63	11.06	23.00	2.75
324F234N88M4	1,310.00	234	480	39	1,576	87.13	4.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

324F234N95M4	1,310.00	234	480	39	1,576	92.13	11.06	23.00	2.75
324F240N88M4	1,344.00	240	480	40	1,617	87.13	4.06	23.00	2.75
324F240N95M4	1,344.00	240	480	40	1,617	92.13	11.06	23.00	2.75
324F216N106M4	1,361.00	216	480	36	1,637	104.63	11.06	23.00	2.75
324F234N106M4	1,474.00	234	480	39	1,773	104.63	11.06	23.00	2.75
324F192N120M4	1,498.00	192	480	64	1,802	118.63	11.06	23.00	2.75
324F240N106M4	1,512.00	240	480	40	1,819	104.63	11.06	23.00	2.75
324F192N140M4	1,680.00	192	480	64	2,021	138.63	15.06	23.00	2.75
324F216N120M4	1,685.00	216	480	72	2,027	118.63	11.06	23.00	2.75
324F234N120M4	1,825.00	234	480	78	2,195	118.63	11.06	23.00	2.75
324F240N120M4	1,872.00	240	480	80	2,252	118.63	11.06	23.00	2.75
324F216N140M4	1,890.00	216	480	72	2,273	138.63	15.06	23.00	2.75
324F192N160M4	1,920.00	192	480	64	2,309	158.63	15.06	23.00	2.75
324F234N140M4	2,048.00	234	480	78	2,463	138.63	15.06	23.00	2.75
324F240N140M4	2,100.00	240	480	80	2,526	138.63	15.06	23.00	2.75
324F216N160M4	2,160.00	216	480	72	2,598	158.63	15.06	23.00	2.75
324F234N160M4	2,340.00	234	480	78	2,815	158.63	15.06	23.00	2.75
324F240N160M4	2,400.00	240	480	80	2,887	158.63	15.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

20 Watts/Sq. Inch

3 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
33F3N18B4Y	2.50	3	480	1	3	17.75	3.69	2.90	1.13
33F3N20B4Y	2.88	3	480	1	3	19.75	3.69	2.90	1.13
33F3N25B4Y	3.75	3	480	1	5	25.25	3.69	2.90	1.13
33F3N25B2Y	3.75	3	240	1	9	25.25	3.69	2.90	1.13
33F3N33B4Y	5.00	3	480	1	6	32.75	3.69	2.90	1.13
33F3N33B2Y	5.00	3	240	1	12	32.75	3.69	2.90	1.13
33F3N38B4Y	6.00	3	480	1	7	38.25	5.69	2.90	1.13
33F3N36B4Y	6.38	3	480	1	8	35.75	3.69	2.90	1.13
33F3N43B4Y	6.63	3	480	1	8	42.75	5.69	2.90	1.13
33F3N52B4Y	8.25	3	480	1	10	51.75	5.69	2.90	1.13
33F3N52B2Y	8.25	3	240	1	20	51.75	5.69	2.90	1.13
33F3N57B4Y	8.25	3	480	1	10	56.75	10.69	2.90	1.13
33F3N61B4Y	10.00	3	480	1	12	61.25	5.69	2.90	1.13
33F3N68B4Y	10.00	3	480	1	12	68.25	12.69	2.90	1.13
33F3N88B4Y	14.75	3	480	1	18	88.75	5.69	2.90	1.13
33F3N106B4Y	16.50	3	480	1	20	106.25	12.69	2.90	1.13
33F3N120B4Y	19.00	3	480	1	23	120.25	12.69	2.90	1.13

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
34F6N18B4Y	5.00	6	480	1	6	17.63	3.56	3.83	1.25
34F6N20B4Y	5.75	6	480	1	7	19.63	3.56	3.83	1.25
34F6N25B4Y	7.63	6	480	1	9	25.13	3.56	3.83	1.25
34F6N25B2Y	7.63	6	240	1	18	25.13	3.56	3.83	1.25
34F6N33B2Y	10.00	6	240	1	24	32.63	3.56	3.83	1.25
34F6N33B4Y	10.00	6	480	1	12	32.63	3.56	3.83	1.25
34F6N38B4Y	12.00	6	480	1	14	38.13	5.56	3.83	1.25
34F6N36B4Y	12.75	6	480	1	15	35.63	3.56	3.83	1.25
34F6N43B4Y	13.25	6	480	1	16	42.63	5.56	3.83	1.25
34F6N52B2Y	16.50	6	240	1	40	51.63	5.56	3.83	1.25
34F6N52B4Y	16.50	6	480	1	20	51.63	5.56	3.83	1.25
34F6N57B4Y	16.50	6	480	1	20	56.63	10.56	3.83	1.25
34F6N61B4Y	20.00	6	480	1	24	61.13	5.56	3.83	1.25
34F6N68B4Y	20.00	6	480	1	24	68.13	12.56	3.83	1.25
34F6N88B4Y	29.50	6	480	1	35	88.63	5.56	3.83	1.25
34F6N106B4Y	33.25	6	480	1	40	106.13	12.56	3.83	1.25
34F6N120B4Y	38.00	6	480	1	46	120.13	12.56	3.83	1.25

5 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
35F9N18B4Y	7.50	9	480	1	9	17.50	3.44	4.81	1.38
35F9N20B4Y	8.63	9	480	1	10	19.50	3.44	4.81	1.38
35F9N25B2Y	11.50	9	240	1	28	25.00	3.44	4.81	1.38
35F9N25B4Y	11.50	9	480	1	14	25.00	3.44	4.81	1.38
35F9N33B2Y	15.00	9	240	1	36	32.50	3.44	4.81	1.38
35F9N33B4Y	15.00	9	480	1	18	32.50	3.44	4.81	1.38
35F9N38B4Y	18.00	9	480	1	22	38.00	5.44	4.81	1.38
35F9N36B4Y	19.25	9	480	1	23	35.50	3.44	4.81	1.38
35F9N43B4Y	20.00	9	480	1	24	42.50	5.44	4.81	1.38
35F9N52B4Y	25.00	9	480	1	30	51.50	5.44	4.81	1.38

300# Flanged Immersion Heaters - Type IF

35F9N57B4Y	25.00	9	480	1	30	56.50	10.44	4.81	1.38
35F9N61B4Y	30.00	9	480	1	36	61.00	5.44	4.81	1.38
35F9N68B4Y	30.00	9	480	1	36	68.00	12.44	4.81	1.38

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
36F12N18B4Y	10.00	12	480	1	12	17.44	3.38	5.76	1.44
36F12N20B4Y	11.50	12	480	1	14	19.44	3.38	5.76	1.44
36F15N18B4Y	12.50	15	480	1	15	17.44	3.38	5.76	1.44
36F15N20B4Y	14.50	15	480	1	17	19.44	3.38	5.76	1.44
36F12N25B4Y	15.25	12	480	1	18	24.94	3.38	5.76	1.44
36F12N25B2Y	15.25	12	240	1	37	24.94	3.38	5.76	1.44
36F15N25B2Y	19.25	15	240	1	46	24.94	3.38	5.76	1.44
36F15N25B4Y	19.25	15	480	1	23	24.94	3.38	5.76	1.44
36F12N33B2Y	20.00	12	240	1	48	32.44	3.38	5.76	1.44
36F12N33B4Y	20.00	12	480	1	24	32.44	3.38	5.76	1.44
36F12N38B4Y	24.00	12	480	1	29	37.94	5.38	5.76	1.44
36F15N33B4Y	25.00	15	480	1	30	32.44	3.38	5.76	1.44
36F12N36B4Y	25.75	12	480	1	31	35.44	3.38	5.76	1.44
36F12N43B4Y	26.50	12	480	1	32	42.44	5.38	5.76	1.44
36F15N38B4Y	30.00	15	480	1	36	37.94	5.38	5.76	1.44
36F15N36B4Y	32.25	15	480	1	39	35.44	3.38	5.76	1.44
36F15N43B4Y	33.25	15	480	1	40	42.44	5.38	5.76	1.44
36F12N52B4Y	33.25	12	480	1	40	51.44	5.38	5.76	1.44
36F12N52B2Y	33.25	12	240	2	80	51.44	5.38	5.76	1.44
36F12N57B4Y	33.25	12	480	1	40	56.44	10.38	5.76	1.44
36F12N61B4Y	40.00	12	480	1	48	60.94	5.38	5.76	1.44
36F12N68B4Y	40.00	12	480	1	48	67.94	12.38	5.76	1.44
36F12N88B4Y	59.00	12	480	2	71	88.44	5.38	5.76	1.44
36F12N106B4Y	66.50	12	480	2	80	105.94	12.38	5.76	1.44
36F12N120B4Y	76.00	12	480	2	91	119.94	12.38	5.76	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
38F18N18B4Y	15.00	18	480	1	18	17.25	3.19	7.63	1.63
38F18N20B4Y	17.25	18	480	1	21	19.25	3.19	7.63	1.63
38F24N18B4Y	20.00	24	480	1	24	17.25	3.19	7.63	1.63
38F24N20B4Y	23.00	24	480	1	28	19.25	3.19	7.63	1.63
38F18N25B4Y	23.00	18	480	1	28	24.75	3.19	7.63	1.63
38F18N33B4Y	30.00	18	480	1	36	32.25	3.19	7.63	1.63
38F24N25B4Y	30.75	24	480	1	37	24.75	3.19	7.63	1.63
38F18N38B4Y	36.00	18	480	1	43	37.75	5.19	7.63	1.63
38F18N36B4Y	38.50	18	480	1	46	35.25	3.19	7.63	1.63
38F24N33B4Y	40.00	24	480	1	48	32.25	3.19	7.63	1.63
38F18N43B4Y	40.00	18	480	1	48	42.25	5.19	7.63	1.63
38F24N38B4Y	48.00	24	480	2	58	37.75	5.19	7.63	1.63
38F18N52B4Y	50.00	18	480	2	60	51.25	5.19	7.63	1.63
38F18N57B4Y	50.00	18	480	2	60	56.25	10.19	7.63	1.63
38F24N36B4Y	51.50	24	480	2	62	35.25	3.19	7.63	1.63
38F24N43B4Y	53.25	24	480	2	64	42.25	5.19	7.63	1.63
38F18N61B4Y	60.00	18	480	2	72	60.75	5.19	7.63	1.63
38F18N68B4Y	60.00	18	480	2	72	67.75	12.19	7.63	1.63
38F24N52B4Y	66.50	24	480	2	80	51.25	5.19	7.63	1.63
38F24N57B4Y	66.50	24	480	2	80	56.25	10.19	7.63	1.63

300# Flanged Immersion Heaters - Type IF

38F24N61B4Y	80.00	24	480	2	96	60.75	5.19	7.63	1.63
38F24N68B4Y	80.00	24	480	2	96	67.75	12.19	7.63	1.63
38F18N88B4Y	88.75	18	480	3	107	88.25	5.19	7.63	1.63
38F18N106B4Y	100.00	18	480	3	120	105.75	12.19	7.63	1.63
38F18N120B4Y	114.00	18	480	3	137	119.75	12.19	7.63	1.63
38F24N88B4Y	118.00	24	480	4	142	88.25	5.19	7.63	1.63
38F24N106B4Y	133.00	24	480	4	160	105.75	12.19	7.63	1.63
38F24N120B4Y	152.00	24	480	4	183	119.75	12.19	7.63	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
310F30N18B4Y	25.00	30	480	1	30	17.00	2.94	9.75	1.88
310F30N20B4Y	29.00	30	480	1	35	19.00	2.94	9.75	1.88
310F36N18B4Y	30.00	36	480	1	36	17.00	2.94	9.75	1.88
310F36N20B4Y	34.75	36	480	1	42	19.00	2.94	9.75	1.88
310F30N25B4Y	38.50	30	480	1	46	24.50	2.94	9.75	1.88
310F36N25B4Y	46.00	36	480	2	55	24.50	2.94	9.75	1.88
310F30N33B4Y	50.00	30	480	2	60	32.00	2.94	9.75	1.88
310F36N33B4Y	60.00	36	480	2	72	32.00	2.94	9.75	1.88
310F30N38B4Y	60.00	30	480	2	72	37.50	4.94	9.75	1.88
310F30N36B4Y	64.50	30	480	2	78	35.00	2.94	9.75	1.88
310F30N43B4Y	66.50	30	480	2	80	42.00	4.94	9.75	1.88
310F36N38B4Y	72.00	36	480	2	87	37.50	4.94	9.75	1.88
310F36N36B4Y	77.25	36	480	2	93	35.00	2.94	9.75	1.88
310F36N43B4Y	80.00	36	480	2	96	42.00	4.94	9.75	1.88
310F36N52B4Y	100.00	36	480	3	120	51.00	4.94	9.75	1.88
310F36N57B4Y	100.00	36	480	3	120	56.00	9.94	9.75	1.88
310F30N61B4Y	100.00	30	480	5	120	60.50	4.94	9.75	1.88
310F30N68B4Y	100.00	30	480	5	120	67.50	11.94	9.75	1.88
310F36N61B4Y	120.00	36	480	3	144	60.50	4.94	9.75	1.88
310F36N68B4Y	120.00	36	480	3	144	67.50	11.94	9.75	1.88
310F30N88B4Y	148.00	30	480	5	178	88.00	4.94	9.75	1.88
310F30N106B4Y	166.50	30	480	5	200	105.50	11.94	9.75	1.88
310F36N88B4Y	177.50	36	480	6	214	88.00	4.94	9.75	1.88
310F30N120B4Y	190.00	30	480	5	229	119.50	11.94	9.75	1.88
310F36N106B4Y	200.00	36	480	6	241	105.50	11.94	9.75	1.88
310F36N120B4Y	228.00	36	480	6	274	119.50	11.94	9.75	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
312F48N43B4Y	106.50	48	480	4	128	41.88	4.81	11.75	2.00
312F48N52B4Y	133.00	48	480	4	160	50.88	4.81	11.75	2.00
312F48N57B4Y	133.00	48	480	4	160	55.88	9.81	11.75	2.00
312F48N61B4Y	160.00	48	480	4	192	60.38	4.81	11.75	2.00
312F48N68B4Y	160.00	48	480	4	192	67.38	11.81	11.75	2.00
312F48N88B4Y	236.50	48	480	8	284	87.88	4.81	11.75	2.00
312F54N88B4Y	266.00	54	480	9	320	87.88	4.81	11.75	2.00
312F48N106B4Y	266.50	48	480	8	321	105.38	11.81	11.75	2.00
312F54N106B4Y	300.00	54	480	9	361	105.38	11.81	11.75	2.00
312F48N120B4Y	304.00	48	480	8	366	119.38	11.81	11.75	2.00
312F54N120B4Y	342.00	54	480	9	411	119.38	11.81	11.75	2.00

14 Inch Heaters

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

314F54N88B4Y	266.00	54	480	9	320	87.75	4.69	13.00	2.13
314F60N88B4Y	296.00	60	480	10	356	87.75	4.69	13.00	2.13
314F54N106B4Y	300.00	54	480	9	361	105.25	11.69	13.00	2.13
314F60N106B4Y	333.00	60	480	10	401	105.25	11.69	13.00	2.13
314F54N120B4Y	342.00	54	480	9	411	119.25	11.69	13.00	2.13
314F72N88B4Y	355.00	72	480	12	427	87.75	4.69	13.00	2.13
314F60N120B4Y	380.00	60	480	10	457	119.25	11.69	13.00	2.13
314F72N106B4Y	400.00	72	480	12	481	105.25	11.69	13.00	2.13
314F72N120B4Y	456.00	72	480	12	548	119.25	11.69	13.00	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
316F84N88B4Y	414.00	84	480	14	498	87.63	4.56	15.00	2.25
316F90N88B4Y	444.00	90	480	15	534	87.63	4.56	15.00	2.25
316F84N106B4Y	466.50	84	480	14	561	105.13	11.56	15.00	2.25
316F96N88B4Y	473.50	96	480	16	570	87.63	4.56	15.00	2.25
316F90N106B4Y	500.00	90	480	15	601	105.13	11.56	15.00	2.25
316F84N120B4Y	532.00	84	480	14	640	119.13	11.56	15.00	2.25
316F96N106B4Y	533.00	96	480	16	641	105.13	11.56	15.00	2.25
316F90N120B4Y	570.00	90	480	15	686	119.13	11.56	15.00	2.25
316F96N120B4Y	608.00	96	480	16	731	119.13	11.56	15.00	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
318F108N88B4Y	533.00	108	480	18	641	87.50	4.44	17.00	2.38
318F108N106B4Y	600.00	108	480	18	722	105.00	11.44	17.00	2.38
318F108N120B4Y	684.00	108	480	18	823	119.00	11.44	17.00	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
320F120N88B4Y	592.00	120	480	20	712	87.38	4.31	19.00	2.50
320F126N88B4Y	622.00	126	480	21	748	87.38	4.31	19.00	2.50
320F132N88B4Y	651.00	132	480	22	783	87.38	4.31	19.00	2.50
320F120N106B4Y	667.00	120	480	20	802	104.88	11.31	19.00	2.50
320F126N106B4Y	700.00	126	480	21	842	104.88	11.31	19.00	2.50
320F144N88B4Y	710.00	144	480	24	854	87.38	4.31	19.00	2.50
320F132N106B4Y	733.00	132	480	22	882	104.88	11.31	19.00	2.50
320F120N120B4Y	760.00	120	480	20	914	118.88	11.31	19.00	2.50
320F126N120B4Y	798.00	126	480	21	960	118.88	11.31	19.00	2.50
320F162N88B4Y	799.00	162	480	27	961	87.38	4.31	19.00	2.50
320F144N106B4Y	800.00	144	480	24	962	104.88	11.31	19.00	2.50
320F132N120B4Y	836.00	132	480	22	1,006	118.88	11.31	19.00	2.50
320F180N88B4Y	888.00	180	480	30	1,068	87.38	4.31	19.00	2.50
320F162N106B4Y	900.00	162	480	27	1,083	104.88	11.31	19.00	2.50
320F144N120B4Y	912.00	144	480	24	1,097	118.88	11.31	19.00	2.50
320F180N106B4Y	1,000.00	180	480	30	1,203	104.88	11.31	19.00	2.50
320F162N120B4Y	1,026.00	162	480	27	1,234	118.88	11.31	19.00	2.50
320F180N120B4Y	1,140.00	180	480	30	1,371	118.88	11.31	19.00	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
324F192N88B4Y	947.00	192	480	32	1,139	87.13	4.06	23.00	2.75
324F216N88B4Y	1,066.00	216	480	36	1,282	87.13	4.06	23.00	2.75
324F192N106B4Y	1,067.00	192	480	32	1,283	104.63	11.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

324F234N88B4Y	1,154.00	234	480	39	1,388	87.13	4.06	23.00	2.75
324F240N88B4Y	1,184.00	240	480	40	1,424	87.13	4.06	23.00	2.75
324F216N106B4Y	1,200.00	216	480	36	1,443	104.63	11.06	23.00	2.75
324F192N120B4Y	1,216.00	192	480	32	1,463	118.63	11.06	23.00	2.75
324F234N106B4Y	1,300.00	234	480	39	1,564	104.63	11.06	23.00	2.75
324F240N106B4Y	1,333.00	240	480	40	1,603	104.63	11.06	23.00	2.75
324F216N120B4Y	1,368.00	216	480	36	1,645	118.63	11.06	23.00	2.75
324F234N120B4Y	1,482.00	234	480	39	1,783	118.63	11.06	23.00	2.75
324F240N120B4Y	1,520.00	240	480	40	1,828	118.63	11.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

15 Watts/Sq. Inch

3 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
33F3N10H4Y	1.00	3	480	1	1	10.25	3.69	2.90	1.13
33F3N18H2Y	2.00	3	240	1	5	17.75	3.69	2.90	1.13
33F3N18H4Y	2.00	3	480	1	2	17.75	3.69	2.90	1.13
33F3N20H4Y	2.50	3	480	1	3	19.75	3.69	2.90	1.13
33F3N20H2Y	2.50	3	240	1	6	19.75	3.69	2.90	1.13
33F3N25H4Y	3.00	3	480	1	4	25.25	3.69	2.90	1.13
33F3N25H2Y	3.00	3	240	1	7	25.25	3.69	2.90	1.13
33F3N33H4Y	4.00	3	480	1	5	32.75	3.69	2.90	1.13
33F3N33H2Y	4.00	3	240	1	10	32.75	3.69	2.90	1.13
33F3N40H4Y	5.00	3	480	1	6	40.25	3.69	2.90	1.13
33F3N40H2Y	5.00	3	240	1	12	40.25	3.69	2.90	1.13
33F3N48H4Y	6.00	3	480	1	7	47.75	3.69	2.90	1.13
33F3N52H4Y	6.00	3	480	1	7	51.75	5.69	2.90	1.13
33F3N61H4Y	8.25	3	480	1	10	61.25	5.69	2.90	1.13
33F3N68H4Y	8.25	3	480	1	10	68.25	12.69	2.90	1.13
33F3N80H4Y	11.00	3	480	1	13	78.75	10.69	2.90	1.13
33F3N88H4Y	12.50	3	480	1	15	88.75	5.69	2.90	1.13
33F3N95H4Y	12.50	3	480	1	15	95.75	12.69	2.90	1.13
33F3N120H4Y	15.00	3	480	1	18	120.25	14.19	2.90	1.13
33F3N140H4Y	17.50	3	480	1	21	140.25	16.69	2.90	1.13
33F3N160H4Y	20.00	3	480	1	24	160.25	16.69	2.90	1.13

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
34F6N10H4Y	2.00	6	480	1	2	10.13	3.56	3.83	1.25
34F6N18B4S	3.75	6	480	1	5	17.63	3.56	3.83	1.25
34F6N18H4Y	4.00	6	480	1	5	17.63	3.56	3.83	1.25
34F6N18H2Y	4.00	6	240	1	10	17.63	3.56	3.83	1.25
34F6N20B4S	4.25	6	480	1	5	19.63	3.56	3.83	1.25
34F6N20H4Y	5.00	6	480	1	6	19.63	3.56	3.83	1.25
34F6N20H2Y	5.00	6	240	1	12	19.63	3.56	3.83	1.25
34F6N25B2S	5.75	6	240	1	14	25.13	3.56	3.83	1.25
34F6N25B4S	5.75	6	480	1	7	25.13	3.56	3.83	1.25
34F6N25H2Y	6.00	6	240	1	14	25.13	3.56	3.83	1.25
34F6N25H4Y	6.00	6	480	1	7	25.13	3.56	3.83	1.25
34F6N33B4S	7.50	6	480	1	9	32.63	3.56	3.83	1.25
34F6N33B2S	7.50	6	240	1	18	32.63	3.56	3.83	1.25
34F6N33H2Y	8.00	6	240	1	19	32.63	3.56	3.83	1.25
34F6N33H4Y	8.00	6	480	1	10	32.63	3.56	3.83	1.25
34F6N38B4S	9.00	6	480	1	11	38.13	5.56	3.83	1.25
34F6N36B4S	9.63	6	480	1	12	35.63	3.56	3.83	1.25
34F6N40H4Y	10.00	6	480	1	12	40.13	3.56	3.83	1.25
34F6N40H2Y	10.00	6	240	1	24	40.13	3.56	3.83	1.25
34F6N43B4S	10.00	6	480	1	12	42.63	5.56	3.83	1.25
34F6N48H4Y	12.00	6	480	1	14	47.63	3.56	3.83	1.25
34F6N52H4Y	12.00	6	480	1	14	51.63	5.56	3.83	1.25
34F6N52B4S	12.50	6	480	1	15	51.63	5.56	3.83	1.25
34F6N52B2S	12.50	6	240	1	30	51.63	5.56	3.83	1.25
34F6N57B4S	12.50	6	480	1	15	56.63	10.56	3.83	1.25
34F6N61B4S	15.00	6	480	1	18	61.13	5.56	3.83	1.25

300# Flanged Immersion Heaters - Type IF

34F6N68B4S	15.00	6	480	1	18	68.13	12.56	3.83	1.25
34F6N61H4Y	16.50	6	480	1	20	61.13	5.56	3.83	1.25
34F6N68H4Y	16.50	6	480	1	20	68.13	12.56	3.83	1.25
34F6N80H4Y	22.00	6	480	1	26	78.63	10.56	3.83	1.25
34F6N88B4S	22.00	6	480	1	26	88.63	5.56	3.83	1.25
34F6N88H4Y	25.00	6	480	1	30	88.63	5.56	3.83	1.25
34F6N95H4Y	25.00	6	480	1	30	95.63	12.56	3.83	1.25
34F6N106B4S	25.00	6	480	1	30	106.13	12.56	3.83	1.25
34F6N120B4S	28.50	6	480	1	34	120.13	12.56	3.83	1.25
34F6N120H4Y	30.00	6	480	1	36	120.13	14.06	3.83	1.25
34F6N140H4Y	35.00	6	480	1	42	140.13	16.56	3.83	1.25
34F6N160H4Y	40.00	6	480	1	48	160.13	16.56	3.83	1.25

5 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
35F9N10H4Y	3.00	9	480	1	4	10.00	3.44	4.81	1.38
35F9N18H4Y	6.00	9	480	1	7	17.50	3.44	4.81	1.38
35F9N18H2Y	6.00	9	240	1	14	17.50	3.44	4.81	1.38
35F9N20H2Y	7.50	9	240	1	18	19.50	3.44	4.81	1.38
35F9N20H4Y	7.50	9	480	1	9	19.50	3.44	4.81	1.38
35F9N25H2Y	9.00	9	240	1	22	25.00	3.44	4.81	1.38
35F9N25H4Y	9.00	9	480	1	11	25.00	3.44	4.81	1.38
35F9N33H2Y	12.00	9	240	1	29	32.50	3.44	4.81	1.38
35F9N33H4Y	12.00	9	480	1	14	32.50	3.44	4.81	1.38
35F9N40H2Y	15.00	9	240	1	36	40.00	3.44	4.81	1.38
35F9N40H4Y	15.00	9	480	1	18	40.00	3.44	4.81	1.38
35F9N48H4Y	18.00	9	480	1	22	47.50	3.44	4.81	1.38
35F9N52H4Y	18.00	9	480	1	22	51.50	5.44	4.81	1.38
35F9N61H4Y	25.00	9	480	1	30	61.00	5.44	4.81	1.38
35F9N61H2Y	25.00	9	240	1	60	61.00	5.44	4.81	1.38
35F9N68H4Y	25.00	9	480	1	30	68.00	12.44	4.81	1.38
35F9N80H4Y	33.25	9	480	1	40	78.50	10.44	4.81	1.38
35F9N88H4Y	37.50	9	480	1	45	88.50	5.44	4.81	1.38
35F9N95H4Y	37.50	9	480	1	45	95.50	12.44	4.81	1.38
35F9N160H4Y	60.00	9	480	3	72	160.00	16.44	4.81	1.38

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
36F12N10H4Y	4.00	12	480	1	5	9.94	3.38	5.76	1.44
36F15N10H4Y	5.00	15	480	1	6	9.94	3.38	5.76	1.44
36F12N18B4S	7.50	12	480	1	9	17.44	3.38	5.76	1.44
36F12N18H4Y	8.00	12	480	1	10	17.44	3.38	5.76	1.44
36F12N18H2Y	8.00	12	240	1	19	17.44	3.38	5.76	1.44
36F12N20B4S	8.63	12	480	1	10	19.44	3.38	5.76	1.44
36F15N18H2Y	10.00	15	240	1	24	17.44	3.38	5.76	1.44
36F15N18H4Y	10.00	15	480	1	12	17.44	3.38	5.76	1.44
36F12N20H2Y	10.00	12	240	1	24	19.44	3.38	5.76	1.44
36F12N20H4Y	10.00	12	480	1	12	19.44	3.38	5.76	1.44
36F12N25B2S	11.50	12	240	1	28	24.94	3.38	5.76	1.44
36F12N25B4S	11.50	12	480	1	14	24.94	3.38	5.76	1.44
36F12N25H4Y	12.00	12	480	1	14	24.94	3.38	5.76	1.44
36F12N25H2Y	12.00	12	240	1	29	24.94	3.38	5.76	1.44
36F15N20H2Y	12.50	15	240	1	30	19.44	3.38	5.76	1.44
36F15N20H4Y	12.50	15	480	1	15	19.44	3.38	5.76	1.44

300# Flanged Immersion Heaters - Type IF

36F15N25H2Y	15.00	15	240	1	36	24.94	3.38	5.76	1.44
36F15N25H4Y	15.00	15	480	1	18	24.94	3.38	5.76	1.44
36F12N33B2S	15.00	12	240	1	36	32.44	3.38	5.76	1.44
36F12N33B4S	15.00	12	480	1	18	32.44	3.38	5.76	1.44
36F12N33H2Y	16.00	12	240	1	38	32.44	3.38	5.76	1.44
36F12N33H4Y	16.00	12	480	1	19	32.44	3.38	5.76	1.44
36F12N38B4S	18.00	12	480	1	22	37.94	5.38	5.76	1.44
36F12N36B4S	19.25	12	480	1	23	35.44	3.38	5.76	1.44
36F15N33H2Y	20.00	15	240	1	48	32.44	3.38	5.76	1.44
36F15N33H4Y	20.00	15	480	1	24	32.44	3.38	5.76	1.44
36F12N40H2Y	20.00	12	240	1	48	39.94	3.38	5.76	1.44
36F12N40H4Y	20.00	12	480	1	24	39.94	3.38	5.76	1.44
36F12N43B4S	20.00	12	480	1	24	42.44	5.38	5.76	1.44
36F12N48H4Y	24.00	12	480	1	29	47.44	3.38	5.76	1.44
36F12N52H4Y	24.00	12	480	1	29	51.44	5.38	5.76	1.44
36F15N40H4Y	25.00	15	480	1	30	39.94	3.38	5.76	1.44
36F12N52B4S	25.00	12	480	1	30	51.44	5.38	5.76	1.44
36F12N52B2S	25.00	12	240	2	60	51.44	5.38	5.76	1.44
36F12N57B4S	25.00	12	480	1	30	56.44	10.38	5.76	1.44
36F15N48H4Y	30.00	15	480	1	36	47.44	3.38	5.76	1.44
36F15N52H4Y	30.00	15	480	1	36	51.44	5.38	5.76	1.44
36F12N61B4S	30.00	12	480	1	36	60.94	5.38	5.76	1.44
36F12N68B4S	30.00	12	480	1	36	67.94	12.38	5.76	1.44
36F12N61H4Y	33.25	12	480	1	40	60.94	5.38	5.76	1.44
36F12N68H4Y	33.25	12	480	1	40	67.94	12.38	5.76	1.44
36F12N80H4Y	44.25	12	480	2	53	78.44	10.38	5.76	1.44
36F12N88B4S	44.25	12	480	2	53	88.44	5.38	5.76	1.44
36F12N88H4Y	50.00	12	480	2	60	88.44	5.38	5.76	1.44
36F12N95H4Y	50.00	12	480	2	60	95.44	12.38	5.76	1.44
36F12N106B4S	50.00	12	480	2	60	105.94	12.38	5.76	1.44
36F12N120B4S	57.00	12	480	2	69	119.94	12.38	5.76	1.44
36F12N120H4Y	60.00	12	480	2	72	119.94	13.88	5.76	1.44
36F12N140H4Y	70.00	12	480	2	84	139.94	16.38	5.76	1.44
36F12N160H4Y	80.00	12	480	2	96	159.94	16.38	5.76	1.44
36F15N160H4Y	100.00	15	480	5	120	159.94	16.38	5.76	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
38F18N10H4Y	6.00	18	480	1	7	9.75	3.19	7.63	1.63
38F24N10H4Y	8.00	24	480	1	10	9.75	3.19	7.63	1.63
38F18N18B4S	11.25	18	480	1	14	17.25	3.19	7.63	1.63
38F18N18H4Y	12.00	18	480	1	14	17.25	3.19	7.63	1.63
38F18N20B4S	13.00	18	480	1	16	19.25	3.19	7.63	1.63
38F24N18B4S	15.00	24	480	1	18	17.25	3.19	7.63	1.63
38F18N20H4Y	15.00	18	480	1	18	19.25	3.19	7.63	1.63
38F24N18H4Y	16.00	24	480	1	19	17.25	3.19	7.63	1.63
38F24N20B4S	17.25	24	480	1	21	19.25	3.19	7.63	1.63
38F18N25B4S	17.25	18	480	1	21	24.75	3.19	7.63	1.63
38F18N25H4Y	18.00	18	480	1	22	24.75	3.19	7.63	1.63
38F24N20H4Y	20.00	24	480	1	24	19.25	3.19	7.63	1.63
38F18N33B4S	22.50	18	480	1	27	32.25	3.19	7.63	1.63
38F24N25B4S	23.00	24	480	1	28	24.75	3.19	7.63	1.63
38F24N25H4Y	24.00	24	480	1	29	24.75	3.19	7.63	1.63
38F18N33H4Y	24.00	18	480	1	29	32.25	3.19	7.63	1.63

300# Flanged Immersion Heaters - Type IF

38F18N38B4S	27.00	18	480	1	32	37.75	5.19	7.63	1.63
38F18N36B4S	29.00	18	480	1	35	35.25	3.19	7.63	1.63
38F24N33B4S	30.00	24	480	1	36	32.25	3.19	7.63	1.63
38F18N40H4Y	30.00	18	480	1	36	39.75	3.19	7.63	1.63
38F18N43B4S	30.00	18	480	1	36	42.25	5.19	7.63	1.63
38F24N33H4Y	32.00	24	480	1	38	32.25	3.19	7.63	1.63
38F24N38B4S	36.00	24	480	1	43	37.75	5.19	7.63	1.63
38F18N48H4Y	36.00	18	480	1	43	47.25	3.19	7.63	1.63
38F18N52H4Y	36.00	18	480	1	43	51.25	5.19	7.63	1.63
38F18N52B4S	37.50	18	480	1	45	51.25	5.19	7.63	1.63
38F18N57B4S	37.50	18	480	1	45	56.25	10.19	7.63	1.63
38F24N36B4S	38.50	24	480	1	46	35.25	3.19	7.63	1.63
38F24N40H4Y	40.00	24	480	1	48	39.75	3.19	7.63	1.63
38F24N43B4S	40.00	24	480	1	48	42.25	5.19	7.63	1.63
38F24N48H4Y	48.00	24	480	2	58	47.25	3.19	7.63	1.63
38F24N52H4Y	48.00	24	480	2	58	51.25	5.19	7.63	1.63
38F24N52B4S	50.00	24	480	2	60	51.25	5.19	7.63	1.63
38F24N57B4S	50.00	24	480	2	60	56.25	10.19	7.63	1.63
38F18N61H4Y	50.00	18	480	2	60	60.75	5.19	7.63	1.63
38F18N68H4Y	50.00	18	480	2	60	67.75	12.19	7.63	1.63
38F24N61B4S	60.00	24	480	2	72	60.75	5.19	7.63	1.63
38F24N68B4S	60.00	24	480	2	72	67.75	12.19	7.63	1.63
38F24N61H4Y	66.50	24	480	2	80	60.75	5.19	7.63	1.63
38F24N68H4Y	66.50	24	480	2	80	67.75	12.19	7.63	1.63
38F18N80H4Y	66.50	18	480	2	80	78.25	10.19	7.63	1.63
38F18N88B4S	66.50	18	480	3	80	88.25	5.19	7.63	1.63
38F18N88H4Y	75.00	18	480	2	90	88.25	5.19	7.63	1.63
38F18N95H4Y	75.00	18	480	2	90	95.25	12.19	7.63	1.63
38F18N106B4S	75.00	18	480	3	90	105.75	12.19	7.63	1.63
38F18N120B4S	85.50	18	480	3	103	119.75	12.19	7.63	1.63
38F24N80H4Y	88.75	24	480	4	107	78.25	10.19	7.63	1.63
38F24N88B4S	88.75	24	480	4	107	88.25	5.19	7.63	1.63
38F18N120H4Y	90.00	18	480	3	108	119.75	13.69	7.63	1.63
38F24N88H4Y	100.00	24	480	4	120	88.25	5.19	7.63	1.63
38F24N95H4Y	100.00	24	480	4	120	95.25	12.19	7.63	1.63
38F24N106B4S	100.00	24	480	4	120	105.75	12.19	7.63	1.63
38F18N140H4Y	105.00	18	480	3	126	139.75	16.19	7.63	1.63
38F24N120B4S	114.00	24	480	4	137	119.75	12.19	7.63	1.63
38F24N120H4Y	120.00	24	480	4	144	119.75	13.69	7.63	1.63
38F18N160H4Y	120.00	18	480	3	144	159.75	16.19	7.63	1.63
38F24N140H4Y	140.00	24	480	4	168	139.75	16.19	7.63	1.63
38F24N160H4Y	160.00	24	480	4	192	159.75	16.19	7.63	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
310F30N10H4Y	10.00	30	480	1	12	9.50	2.94	9.75	1.88
310F36N10H4Y	12.00	36	480	1	14	9.50	2.94	9.75	1.88
310F30N18B4S	18.75	30	480	1	23	17.00	2.94	9.75	1.88
310F30N18H4Y	20.00	30	480	1	24	17.00	2.94	9.75	1.88
310F30N20B4S	21.75	30	480	1	26	19.00	2.94	9.75	1.88
310F36N18B4S	22.50	36	480	1	27	17.00	2.94	9.75	1.88
310F36N18H4Y	24.00	36	480	1	29	17.00	2.94	9.75	1.88
310F30N20H4Y	25.00	30	480	1	30	19.00	2.94	9.75	1.88
310F36N20B4S	26.00	36	480	1	31	19.00	2.94	9.75	1.88

300# Flanged Immersion Heaters - Type IF

310F30N25B4S	28.75	30	480	1	35	24.50	2.94	9.75	1.88
310F36N20H4Y	30.00	36	480	1	36	19.00	2.94	9.75	1.88
310F30N25H4Y	30.00	30	480	1	36	24.50	2.94	9.75	1.88
310F36N25B4S	34.50	36	480	1	41	24.50	2.94	9.75	1.88
310F36N25H4Y	36.00	36	480	1	43	24.50	2.94	9.75	1.88
310F30N33B4S	37.50	30	480	1	45	32.00	2.94	9.75	1.88
310F30N33H4Y	40.00	30	480	1	48	32.00	2.94	9.75	1.88
310F36N33B4S	45.00	36	480	2	54	32.00	2.94	9.75	1.88
310F36N33H4Y	48.00	36	480	2	58	32.00	2.94	9.75	1.88
310F30N40H4Y	50.00	30	480	2	60	39.50	2.94	9.75	1.88
310F36N38B4S	54.00	36	480	2	65	37.50	4.94	9.75	1.88
310F36N36B4S	58.00	36	480	2	70	35.00	2.94	9.75	1.88
310F36N40H4Y	60.00	36	480	2	72	39.50	2.94	9.75	1.88
310F36N43B4S	60.00	36	480	2	72	42.00	4.94	9.75	1.88
310F30N48H4Y	60.00	30	480	2	72	47.00	2.94	9.75	1.88
310F30N52H4Y	60.00	30	480	2	72	51.00	4.94	9.75	1.88
310F36N48H4Y	72.00	36	480	2	87	47.00	2.94	9.75	1.88
310F36N52H4Y	72.00	36	480	2	87	51.00	4.94	9.75	1.88
310F36N52B4S	75.00	36	480	2	90	51.00	4.94	9.75	1.88
310F36N57B4S	75.00	36	480	2	90	56.00	9.94	9.75	1.88
310F36N61B4S	90.00	36	480	3	108	60.50	4.94	9.75	1.88
310F36N68B4S	90.00	36	480	3	108	67.50	11.94	9.75	1.88
310F36N61H4Y	100.00	36	480	3	120	60.50	4.94	9.75	1.88
310F36N68H4Y	100.00	36	480	3	120	67.50	11.94	9.75	1.88
310F30N80H4Y	111.00	30	480	5	134	78.00	9.94	9.75	1.88
310F30N88B4S	111.00	30	480	5	134	88.00	4.94	9.75	1.88
310F30N88H4Y	125.00	30	480	5	150	88.00	4.94	9.75	1.88
310F30N95H4Y	125.00	30	480	5	150	95.00	11.94	9.75	1.88
310F30N106B4S	125.00	30	480	5	150	105.50	11.94	9.75	1.88
310F36N80H4Y	133.00	36	480	4	160	78.00	9.94	9.75	1.88
310F36N88B4S	133.00	36	480	6	160	88.00	4.94	9.75	1.88
310F30N120B4S	142.50	30	480	5	171	119.50	11.94	9.75	1.88
310F36N88H4Y	150.00	36	480	4	180	88.00	4.94	9.75	1.88
310F36N95H4Y	150.00	36	480	4	180	95.00	11.94	9.75	1.88
310F36N106B4S	150.00	36	480	6	180	105.50	11.94	9.75	1.88
310F30N120H4Y	150.00	30	480	5	180	119.50	13.44	9.75	1.88
310F36N120B4S	171.00	36	480	6	206	119.50	11.94	9.75	1.88
310F30N140H4Y	175.00	30	480	5	210	139.50	15.94	9.75	1.88
310F36N120H4Y	180.00	36	480	6	217	119.50	13.44	9.75	1.88
310F30N160H4Y	200.00	30	480	5	241	159.50	15.94	9.75	1.88
310F36N140H4Y	210.00	36	480	6	253	139.50	15.94	9.75	1.88
310F36N160H4Y	240.00	36	480	6	289	159.50	15.94	9.75	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
312F48N40H4Y	80.00	48	480	2	96	39.38	2.81	11.75	2.00
312F48N43B4S	80.00	48	480	2	96	41.88	4.81	11.75	2.00
312F48N48H4Y	96.00	48	480	4	115	46.88	2.81	11.75	2.00
312F48N52H4Y	96.00	48	480	4	115	50.88	4.81	11.75	2.00
312F48N52B4S	100.00	48	480	4	120	50.88	4.81	11.75	2.00
312F48N57B4S	100.00	48	480	4	120	55.88	9.81	11.75	2.00
312F48N61B4S	120.00	48	480	4	144	60.38	4.81	11.75	2.00
312F48N68B4S	120.00	48	480	4	144	67.38	11.81	11.75	2.00
312F48N61H4Y	133.00	48	480	4	160	60.38	4.81	11.75	2.00

300# Flanged Immersion Heaters - Type IF

312F48N68H4Y	133.00	48	480	4	160	67.38	11.81	11.75	2.00
312F48N80H4Y	177.50	48	480	8	214	77.88	9.81	11.75	2.00
312F48N88B4S	177.50	48	480	8	214	87.88	4.81	11.75	2.00
312F54N80H4Y	199.50	54	480	6	240	77.88	9.81	11.75	2.00
312F54N88B4S	199.50	54	480	9	240	87.88	4.81	11.75	2.00
312F48N88H4Y	200.00	48	480	8	241	87.88	4.81	11.75	2.00
312F48N95H4Y	200.00	48	480	8	241	94.88	11.81	11.75	2.00
312F48N106B4S	200.00	48	480	8	241	105.38	11.81	11.75	2.00
312F54N88H4Y	225.00	54	480	6	271	87.88	4.81	11.75	2.00
312F54N95H4Y	225.00	54	480	6	271	94.88	11.81	11.75	2.00
312F54N106B4S	225.00	54	480	9	271	105.38	11.81	11.75	2.00
312F48N120B4S	228.00	48	480	8	274	119.38	11.81	11.75	2.00
312F48N120H4Y	240.00	48	480	8	289	119.38	13.31	11.75	2.00
312F54N120B4S	256.50	54	480	9	309	119.38	11.81	11.75	2.00
312F54N120H4Y	270.00	54	480	9	325	119.38	13.31	11.75	2.00
312F48N140H4Y	280.00	48	480	8	337	139.38	15.81	11.75	2.00
312F54N140H4Y	315.00	54	480	9	379	139.38	15.81	11.75	2.00
312F48N160H4Y	320.00	48	480	8	385	159.38	15.81	11.75	2.00
312F54N160H4Y	360.00	54	480	9	433	159.38	15.81	11.75	2.00

14 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
314F54N80H4Y	199.50	54	480	6	240	77.75	9.69	13.00	2.13
314F54N88B4S	199.50	54	480	9	240	87.75	4.69	13.00	2.13
314F60N80H4Y	222.00	60	480	10	267	77.75	9.69	13.00	2.13
314F60N88B4S	222.00	60	480	10	267	87.75	4.69	13.00	2.13
314F54N88H4Y	225.00	54	480	6	271	87.75	4.69	13.00	2.13
314F54N95H4Y	225.00	54	480	6	271	94.75	11.69	13.00	2.13
314F54N106B4S	225.00	54	480	9	271	105.25	11.69	13.00	2.13
314F60N88H4Y	250.00	60	480	10	301	87.75	4.69	13.00	2.13
314F60N95H4Y	250.00	60	480	10	301	94.75	11.69	13.00	2.13
314F60N106B4S	250.00	60	480	10	301	105.25	11.69	13.00	2.13
314F54N120B4S	256.50	54	480	9	309	119.25	11.69	13.00	2.13
314F72N80H4Y	266.00	72	480	8	320	77.75	9.69	13.00	2.13
314F72N88B4S	266.00	72	480	12	320	87.75	4.69	13.00	2.13
314F54N120H4Y	270.00	54	480	9	325	119.25	13.19	13.00	2.13
314F60N120B4S	285.00	60	480	10	343	119.25	11.69	13.00	2.13
314F72N88H4Y	300.00	72	480	8	361	87.75	4.69	13.00	2.13
314F72N95H4Y	300.00	72	480	8	361	94.75	11.69	13.00	2.13
314F72N106B4S	300.00	72	480	12	361	105.25	11.69	13.00	2.13
314F60N120H4Y	300.00	60	480	10	361	119.25	13.19	13.00	2.13
314F54N140H4Y	315.00	54	480	9	379	139.25	15.69	13.00	2.13
314F72N120B4S	342.00	72	480	12	411	119.25	11.69	13.00	2.13
314F60N140H4Y	350.00	60	480	10	421	139.25	15.69	13.00	2.13
314F72N120H4Y	360.00	72	480	12	433	119.25	13.19	13.00	2.13
314F54N160H4Y	360.00	54	480	9	433	159.25	15.69	13.00	2.13
314F60N160H4Y	400.00	60	480	10	481	159.25	15.69	13.00	2.13
314F72N140H4Y	420.00	72	480	12	505	139.25	15.69	13.00	2.13
314F72N160H4Y	480.00	72	480	12	577	159.25	15.69	13.00	2.13

16 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
316F84N80H4Y	310.50	84	480	14	373	77.63	9.56	15.00	2.25
316F84N88B4S	310.50	84	480	14	373	87.63	4.56	15.00	2.25

300# Flanged Immersion Heaters - Type IF

316F90N80H4Y	333.00	90	480	10	401	77.63	9.56	15.00	2.25
316F90N88B4S	333.00	90	480	15	401	87.63	4.56	15.00	2.25
316F84N88H4Y	350.00	84	480	14	421	87.63	4.56	15.00	2.25
316F84N95H4Y	350.00	84	480	14	421	94.63	11.56	15.00	2.25
316F84N106B4S	350.00	84	480	14	421	105.13	11.56	15.00	2.25
316F96N80H4Y	355.00	96	480	16	427	77.63	9.56	15.00	2.25
316F96N88B4S	355.00	96	480	16	427	87.63	4.56	15.00	2.25
316F90N88H4Y	375.00	90	480	10	451	87.63	4.56	15.00	2.25
316F90N95H4Y	375.00	90	480	10	451	94.63	11.56	15.00	2.25
316F90N106B4S	375.00	90	480	15	451	105.13	11.56	15.00	2.25
316F84N120B4S	399.00	84	480	14	480	119.13	11.56	15.00	2.25
316F96N88H4Y	400.00	96	480	16	481	87.63	4.56	15.00	2.25
316F96N95H4Y	400.00	96	480	16	481	94.63	11.56	15.00	2.25
316F96N106B4S	400.00	96	480	16	481	105.13	11.56	15.00	2.25
316F84N120H4Y	420.00	84	480	14	505	119.13	13.06	15.00	2.25
316F90N120B4S	427.50	90	480	15	514	119.13	11.56	15.00	2.25
316F90N120H4Y	450.00	90	480	15	541	119.13	13.06	15.00	2.25
316F96N120B4S	456.00	96	480	16	548	119.13	11.56	15.00	2.25
316F96N120H4Y	480.00	96	480	16	577	119.13	13.06	15.00	2.25
316F84N140H4Y	490.00	84	480	14	589	139.13	15.56	15.00	2.25
316F90N140H4Y	525.00	90	480	15	631	139.13	15.56	15.00	2.25
316F96N140H4Y	560.00	96	480	16	674	139.13	15.56	15.00	2.25
316F84N160H4Y	560.00	84	480	14	674	159.13	15.56	15.00	2.25
316F90N160H4Y	600.00	90	480	15	722	159.13	15.56	15.00	2.25
316F96N160H4Y	640.00	96	480	16	770	159.13	15.56	15.00	2.25

18 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
318F108N88B4S	399.50	108	480	18	481	87.50	4.44	17.00	2.38
318F108N88H4Y	450.00	108	480	12	541	87.50	4.44	17.00	2.38
318F108N95H4Y	450.00	108	480	12	541	94.50	11.44	17.00	2.38
318F108N106B4S	450.00	108	480	18	541	105.00	11.44	17.00	2.38
318F108N120B4S	513.00	108	480	18	617	119.00	11.44	17.00	2.38
318F108N120H4Y	540.00	108	480	18	650	119.00	12.94	17.00	2.38
318F108N140H4Y	630.00	108	480	18	758	139.00	15.44	17.00	2.38
318F108N160H4Y	720.00	108	480	18	866	159.00	15.44	17.00	2.38

20 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
320F120N88B4S	444.00	120	480	20	534	87.38	4.31	19.00	2.50
320F126N88B4S	466.00	126	480	21	561	87.38	4.31	19.00	2.50
320F132N88B4S	488.00	132	480	22	587	87.38	4.31	19.00	2.50
320F120N88H4Y	500.00	120	480	20	601	87.38	4.31	19.00	2.50
320F120N95H4Y	500.00	120	480	20	601	94.38	11.31	19.00	2.50
320F120N106B4S	500.00	120	480	20	601	104.88	11.31	19.00	2.50
320F126N88H4Y	525.00	126	480	14	631	87.38	4.31	19.00	2.50
320F126N95H4Y	525.00	126	480	14	631	94.38	11.31	19.00	2.50
320F126N106B4S	525.00	126	480	21	631	104.88	11.31	19.00	2.50
320F144N88B4S	533.00	144	480	24	641	87.38	4.31	19.00	2.50
320F132N88H4Y	550.00	132	480	22	662	87.38	4.31	19.00	2.50
320F132N95H4Y	550.00	132	480	22	662	94.38	11.31	19.00	2.50
320F132N106B4S	550.00	132	480	22	662	104.88	11.31	19.00	2.50
320F120N120B4S	570.00	120	480	20	686	118.88	11.31	19.00	2.50
320F162N88B4S	599.00	162	480	27	721	87.38	4.31	19.00	2.50

300# Flanged Immersion Heaters - Type IF

320F126N120B4S	599.00	126	480	21	721	118.88	11.31	19.00	2.50
320F144N88H4Y	600.00	144	480	24	722	87.38	4.31	19.00	2.50
320F144N95H4Y	600.00	144	480	24	722	94.38	11.31	19.00	2.50
320F144N106B4S	600.00	144	480	24	722	104.88	11.31	19.00	2.50
320F120N120H4Y	600.00	120	480	20	722	118.88	12.81	19.00	2.50
320F132N120B4S	627.00	132	480	22	754	118.88	11.31	19.00	2.50
320F126N120H4Y	630.00	126	480	21	758	118.88	12.81	19.00	2.50
320F132N120H4Y	660.00	132	480	22	794	118.88	12.81	19.00	2.50
320F180N88B4S	666.00	180	480	20	801	87.38	4.31	19.00	2.50
320F162N88H4Y	675.00	162	480	18	812	87.38	4.31	19.00	2.50
320F162N95H4Y	675.00	162	480	18	812	94.38	11.31	19.00	2.50
320F162N106B4S	675.00	162	480	27	812	104.88	11.31	19.00	2.50
320F144N120B4S	684.00	144	480	24	823	118.88	11.31	19.00	2.50
320F120N140H4Y	700.00	120	480	20	842	138.88	15.31	19.00	2.50
320F144N120H4Y	720.00	144	480	24	866	118.88	12.81	19.00	2.50
320F126N140H4Y	735.00	126	480	21	884	138.88	15.31	19.00	2.50
320F180N88H4Y	750.00	180	480	20	902	87.38	4.31	19.00	2.50
320F180N95H4Y	750.00	180	480	20	902	94.38	11.31	19.00	2.50
320F180N106B4S	750.00	180	480	20	902	104.88	11.31	19.00	2.50
320F162N120B4S	770.00	162	480	27	926	118.88	11.31	19.00	2.50
320F132N140H4Y	770.00	132	480	22	926	138.88	15.31	19.00	2.50
320F120N160H4Y	800.00	120	480	20	962	158.88	15.31	19.00	2.50
320F162N120H4Y	810.00	162	480	27	974	118.88	12.81	19.00	2.50
320F144N140H4Y	840.00	144	480	24	1,010	138.88	15.31	19.00	2.50
320F126N160H4Y	840.00	126	480	21	1,010	158.88	15.31	19.00	2.50
320F180N120B4S	855.00	180	480	30	1,028	118.88	11.31	19.00	2.50
320F132N160H4Y	880.00	132	480	22	1,059	158.88	15.31	19.00	2.50
320F180N120H4Y	900.00	180	480	30	1,083	118.88	12.81	19.00	2.50
320F162N140H4Y	945.00	162	480	27	1,137	138.88	15.31	19.00	2.50
320F144N160H4Y	960.00	144	480	24	1,155	158.88	15.31	19.00	2.50
320F180N140H4Y	1,050.00	180	480	30	1,263	138.88	15.31	19.00	2.50
320F162N160H4Y	1,080.00	162	480	27	1,299	158.88	15.31	19.00	2.50
320F180N160H4Y	1,200.00	180	480	30	1,443	158.88	15.31	19.00	2.50

24 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
324F192N88B4S	710.00	192	480	32	854	87.13	4.06	23.00	2.75
324F216N88B4S	799.00	216	480	36	961	87.13	4.06	23.00	2.75
324F192N88H4Y	800.00	192	480	32	962	87.13	4.06	23.00	2.75
324F192N95H4Y	800.00	192	480	32	962	94.13	11.06	23.00	2.75
324F192N106B4S	800.00	192	480	32	962	104.63	11.06	23.00	2.75
324F234N88B4S	866.00	234	480	39	1,042	87.13	4.06	23.00	2.75
324F240N88B4S	888.00	240	480	40	1,068	87.13	4.06	23.00	2.75
324F216N88H4Y	900.00	216	480	24	1,083	87.13	4.06	23.00	2.75
324F216N95H4Y	900.00	216	480	24	1,083	94.13	11.06	23.00	2.75
324F216N106B4S	900.00	216	480	36	1,083	104.63	11.06	23.00	2.75
324F192N120B4S	912.00	192	480	32	1,097	118.63	11.06	23.00	2.75
324F192N120H4Y	960.00	192	480	32	1,155	118.63	12.56	23.00	2.75
324F234N88H4Y	975.00	234	480	26	1,173	87.13	4.06	23.00	2.75
324F234N95H4Y	975.00	234	480	26	1,173	94.13	11.06	23.00	2.75
324F234N106B4S	975.00	234	480	39	1,173	104.63	11.06	23.00	2.75
324F240N88H4Y	1,000.00	240	480	40	1,203	87.13	4.06	23.00	2.75
324F240N95H4Y	1,000.00	240	480	40	1,203	94.13	11.06	23.00	2.75
324F240N106B4S	1,000.00	240	480	40	1,203	104.63	11.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

324F216N120B4S	1,026.00	216	480	36	1,234	118.63	11.06	23.00	2.75
324F216N120H4Y	1,080.00	216	480	36	1,299	118.63	12.56	23.00	2.75
324F234N120B4S	1,112.00	234	480	39	1,338	118.63	11.06	23.00	2.75
324F192N140H4Y	1,120.00	192	480	32	1,347	138.63	15.06	23.00	2.75
324F240N120B4S	1,140.00	240	480	40	1,371	118.63	11.06	23.00	2.75
324F234N120H4Y	1,170.00	234	480	39	1,407	118.63	12.56	23.00	2.75
324F240N120H4Y	1,200.00	240	480	40	1,443	118.63	12.56	23.00	2.75
324F216N140H4Y	1,260.00	216	480	36	1,516	138.63	15.06	23.00	2.75
324F192N160H4Y	1,280.00	192	480	32	1,540	158.63	15.06	23.00	2.75
324F234N140H4Y	1,365.00	234	480	39	1,642	138.63	15.06	23.00	2.75
324F240N140H4Y	1,400.00	240	480	40	1,684	138.63	15.06	23.00	2.75
324F216N160H4Y	1,440.00	216	480	36	1,732	158.63	15.06	23.00	2.75
324F234N160H4Y	1,560.00	234	480	39	1,876	158.63	15.06	23.00	2.75
324F240N160H4Y	1,600.00	240	480	40	1,925	158.63	15.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

12 Watts/Sq. Inch

3 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
33F3N111F4Y	10.00	3	480	1	12	111.25	16.69	2.90	1.13

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
34F6N10H4S	1.50	6	480	1	2	10.13	3.56	3.83	1.25
34F6N18H4S	3.00	6	480	1	4	17.63	3.56	3.83	1.25
34F6N18H2S	3.00	6	240	1	7	17.63	3.56	3.83	1.25
34F6N20H4S	3.75	6	480	1	5	19.63	3.56	3.83	1.25
34F6N20H2S	3.75	6	240	1	9	19.63	3.56	3.83	1.25
34F6N25H2S	4.50	6	240	1	11	25.13	3.56	3.83	1.25
34F6N25H4S	4.50	6	480	1	5	25.13	3.56	3.83	1.25
34F6N33H4S	6.00	6	480	1	7	32.63	3.56	3.83	1.25
34F6N33H2S	6.00	6	240	1	14	32.63	3.56	3.83	1.25
34F6N40H4S	7.50	6	480	1	9	40.13	3.56	3.83	1.25
34F6N40H2S	7.50	6	240	1	18	40.13	3.56	3.83	1.25
34F6N48H4S	9.00	6	480	1	11	47.63	3.56	3.83	1.25
34F6N52H4S	9.00	6	480	1	11	51.63	5.56	3.83	1.25
34F6N61H4S	12.50	6	480	1	15	61.13	5.56	3.83	1.25
34F6N68H4S	12.50	6	480	1	15	68.13	12.56	3.83	1.25
34F6N80H4S	16.50	6	480	1	20	78.63	10.56	3.83	1.25
34F6N88H4S	18.75	6	480	1	23	88.63	5.56	3.83	1.25
34F6N95H4S	18.75	6	480	1	23	95.63	12.56	3.83	1.25
34F6N111F4Y	20.00	6	480	1	24	111.13	16.56	3.83	1.25
34F6N120H4S	22.50	6	480	1	27	120.13	14.06	3.83	1.25
34F6N140H4S	26.25	6	480	1	32	140.13	16.56	3.83	1.25
34F6N160H4S	30.00	6	480	1	36	160.13	16.56	3.83	1.25

6 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
36F12N10H4S	3.00	12	480	1	4	9.94	3.38	5.76	1.44
36F12N18H4S	6.00	12	480	1	7	17.44	3.38	5.76	1.44
36F12N18H2S	6.00	12	240	1	14	17.44	3.38	5.76	1.44
36F12N20H4S	7.50	12	480	1	9	19.44	3.38	5.76	1.44
36F12N20H2S	7.50	12	240	1	18	19.44	3.38	5.76	1.44
36F12N25H4S	9.00	12	480	1	11	24.94	3.38	5.76	1.44
36F12N25H2S	9.00	12	240	1	22	24.94	3.38	5.76	1.44
36F12N33H4S	12.00	12	480	1	14	32.44	3.38	5.76	1.44
36F12N33H2S	12.00	12	240	1	29	32.44	3.38	5.76	1.44
36F12N40H4S	15.00	12	480	1	18	39.94	3.38	5.76	1.44
36F12N40H2S	15.00	12	240	1	36	39.94	3.38	5.76	1.44
36F12N48H4S	18.00	12	480	1	22	47.44	3.38	5.76	1.44
36F12N52H4S	18.00	12	480	1	22	51.44	5.38	5.76	1.44
36F12N61H4S	25.00	12	480	1	30	60.94	5.38	5.76	1.44
36F12N68H4S	25.00	12	480	1	30	67.94	12.38	5.76	1.44
36F12N80H4S	33.25	12	480	1	40	78.44	10.38	5.76	1.44
36F12N88H4S	37.50	12	480	1	45	88.44	5.38	5.76	1.44
36F12N95H4S	37.50	12	480	1	45	95.44	12.38	5.76	1.44
36F12N111F4Y	40.00	12	480	2	48	110.94	16.38	5.76	1.44
36F12N120H4S	45.00	12	480	2	54	119.94	13.88	5.76	1.44
36F12N140H4S	52.50	12	480	2	63	139.94	16.38	5.76	1.44

300# Flanged Immersion Heaters - Type IF

36F12N160H4S	60.00	12	480	2	72	159.94	16.38	5.76	1.44
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8 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
38F18N10H4S	4.50	18	480	1	5	9.75	3.19	7.63	1.63
38F24N10H4S	6.00	24	480	1	7	9.75	3.19	7.63	1.63
38F18N18H4S	9.00	18	480	1	11	17.25	3.19	7.63	1.63
38F18N20H4S	11.25	18	480	1	14	19.25	3.19	7.63	1.63
38F24N18H4S	12.00	24	480	1	14	17.25	3.19	7.63	1.63
38F18N25H4S	13.50	18	480	1	16	24.75	3.19	7.63	1.63
38F24N20H4S	15.00	24	480	1	18	19.25	3.19	7.63	1.63
38F24N25H4S	18.00	24	480	1	22	24.75	3.19	7.63	1.63
38F18N33H4S	18.00	18	480	1	22	32.25	3.19	7.63	1.63
38F18N40H4S	22.50	18	480	1	27	39.75	3.19	7.63	1.63
38F24N33H4S	24.00	24	480	1	29	32.25	3.19	7.63	1.63
38F18N48H4S	27.00	18	480	1	32	47.25	3.19	7.63	1.63
38F18N52H4S	27.00	18	480	1	32	51.25	5.19	7.63	1.63
38F24N40H4S	30.00	24	480	1	36	39.75	3.19	7.63	1.63
38F24N48H4S	36.00	24	480	1	43	47.25	3.19	7.63	1.63
38F24N52H4S	36.00	24	480	1	43	51.25	5.19	7.63	1.63
38F18N61H4S	37.50	18	480	1	45	60.75	5.19	7.63	1.63
38F18N68H4S	37.50	18	480	1	45	67.75	12.19	7.63	1.63
38F24N61H4S	50.00	24	480	2	60	60.75	5.19	7.63	1.63
38F24N68H4S	50.00	24	480	2	60	67.75	12.19	7.63	1.63
38F24N80H4S	66.50	24	480	2	80	78.25	10.19	7.63	1.63
38F18N120H4S	67.50	18	480	3	81	119.75	13.69	7.63	1.63
38F24N88H4S	75.00	24	480	2	90	88.25	5.19	7.63	1.63
38F24N95H4S	75.00	24	480	2	90	95.25	12.19	7.63	1.63
38F18N140H4S	78.75	18	480	3	95	139.75	16.19	7.63	1.63
38F24N120H4S	90.00	24	480	4	108	119.75	13.69	7.63	1.63
38F18N160H4S	90.00	18	480	3	108	159.75	16.19	7.63	1.63
38F24N140H4S	105.00	24	480	4	126	139.75	16.19	7.63	1.63
38F24N160H4S	120.00	24	480	4	144	159.75	16.19	7.63	1.63

10 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
310F30N10H4S	7.50	30	480	1	9	9.50	2.94	9.75	1.88
310F36N10H4S	9.00	36	480	1	11	9.50	2.94	9.75	1.88
310F30N18H4S	15.00	30	480	1	18	17.00	2.94	9.75	1.88
310F36N18H4S	18.00	36	480	1	22	17.00	2.94	9.75	1.88
310F30N20H4S	18.75	30	480	1	23	19.00	2.94	9.75	1.88
310F36N20H4S	22.50	36	480	1	27	19.00	2.94	9.75	1.88
310F30N25H4S	22.50	30	480	1	27	24.50	2.94	9.75	1.88
310F36N25H4S	27.00	36	480	1	32	24.50	2.94	9.75	1.88
310F30N33H4S	30.00	30	480	1	36	32.00	2.94	9.75	1.88
310F36N33H4S	36.00	36	480	1	43	32.00	2.94	9.75	1.88
310F30N40H4S	37.50	30	480	1	45	39.50	2.94	9.75	1.88
310F36N40H4S	45.00	36	480	2	54	39.50	2.94	9.75	1.88
310F36N48H4S	54.00	36	480	2	65	47.00	2.94	9.75	1.88
310F36N52H4S	54.00	36	480	2	65	51.00	4.94	9.75	1.88
310F36N61H4S	75.00	36	480	2	90	60.50	4.94	9.75	1.88
310F36N68H4S	75.00	36	480	2	90	67.50	11.94	9.75	1.88
310F36N80H4S	99.75	36	480	3	120	78.00	9.94	9.75	1.88
310F36N88H4S	112.50	36	480	3	135	88.00	4.94	9.75	1.88

300# Flanged Immersion Heaters - Type IF

310F36N95H4S	112.50	36	480	3	135	95.00	11.94	9.75	1.88
310F30N120H4S	112.50	30	480	5	135	119.50	13.44	9.75	1.88
310F30N140H4S	131.00	30	480	5	158	139.50	15.94	9.75	1.88
310F36N120H4S	135.00	36	480	6	162	119.50	13.44	9.75	1.88
310F30N160H4S	150.00	30	480	5	180	159.50	15.94	9.75	1.88
310F36N140H4S	157.50	36	480	6	189	139.50	15.94	9.75	1.88
310F36N160H4S	180.00	36	480	6	217	159.50	15.94	9.75	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
312F48N40H4S	60.00	48	480	2	72	39.38	2.81	11.75	2.00
312F48N48H4S	72.00	48	480	2	87	46.88	2.81	11.75	2.00
312F48N52H4S	72.00	48	480	2	87	50.88	4.81	11.75	2.00
312F48N61H4S	100.00	48	480	4	120	60.38	4.81	11.75	2.00
312F48N68H4S	100.00	48	480	4	120	67.38	11.81	11.75	2.00
312F48N80H4S	133.00	48	480	4	160	77.88	9.81	11.75	2.00
312F48N88H4S	150.00	48	480	4	180	87.88	4.81	11.75	2.00
312F48N95H4S	150.00	48	480	4	180	94.88	11.81	11.75	2.00
312F48N120H4S	180.00	48	480	8	217	119.38	13.31	11.75	2.00
312F54N120H4S	202.50	54	480	9	244	119.38	13.31	11.75	2.00
312F48N140H4S	210.00	48	480	8	253	139.38	15.81	11.75	2.00
312F54N140H4S	236.00	54	480	9	284	139.38	15.81	11.75	2.00
312F48N160H4S	240.00	48	480	8	289	159.38	15.81	11.75	2.00
312F54N160H4S	270.00	54	480	9	325	159.38	15.81	11.75	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
314F60N80H4S	166.50	60	480	5	200	77.75	9.69	13.00	2.13
314F60N88H4S	187.50	60	480	5	226	87.75	4.69	13.00	2.13
314F60N95H4S	187.50	60	480	5	226	94.75	11.69	13.00	2.13
314F72N80H4S	199.50	72	480	6	240	77.75	9.69	13.00	2.13
314F54N120H4S	202.50	54	480	9	244	119.25	13.19	13.00	2.13
314F72N88H4S	225.00	72	480	6	271	87.75	4.69	13.00	2.13
314F72N95H4S	225.00	72	480	6	271	94.75	11.69	13.00	2.13
314F60N120H4S	225.00	60	480	10	271	119.25	13.19	13.00	2.13
314F54N140H4S	236.00	54	480	9	284	139.25	15.69	13.00	2.13
314F60N140H4S	262.50	60	480	10	316	139.25	15.69	13.00	2.13
314F72N120H4S	270.00	72	480	12	325	119.25	13.19	13.00	2.13
314F54N160H4S	270.00	54	480	9	325	159.25	15.69	13.00	2.13
314F60N160H4S	300.00	60	480	10	361	159.25	15.69	13.00	2.13
314F72N140H4S	315.00	72	480	12	379	139.25	15.69	13.00	2.13
314F72N160H4S	360.00	72	480	12	433	159.25	15.69	13.00	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
316F84N80H4S	233.00	84	480	7	280	77.63	9.56	15.00	2.25
316F90N80H4S	249.50	90	480	15	300	77.63	9.56	15.00	2.25
316F84N88H4S	262.50	84	480	7	316	87.63	4.56	15.00	2.25
316F84N95H4S	262.50	84	480	7	316	94.63	11.56	15.00	2.25
316F96N80H4S	266.00	96	480	8	320	77.63	9.56	15.00	2.25
316F90N88H4S	281.00	90	480	15	338	87.63	4.56	15.00	2.25
316F90N95H4S	281.00	90	480	15	338	94.63	11.56	15.00	2.25
316F96N88H4S	300.00	96	480	8	361	87.63	4.56	15.00	2.25
316F96N95H4S	300.00	96	480	8	361	94.63	11.56	15.00	2.25

300# Flanged Immersion Heaters - Type IF

316F84N120H4S	315.00	84	480	14	379	119.13	13.06	15.00	2.25
316F90N120H4S	337.50	90	480	15	406	119.13	13.06	15.00	2.25
316F96N120H4S	360.00	96	480	16	433	119.13	13.06	15.00	2.25
316F84N140H4S	367.50	84	480	14	442	139.13	15.56	15.00	2.25
316F90N140H4S	393.50	90	480	15	473	139.13	15.56	15.00	2.25
316F96N140H4S	420.00	96	480	16	505	139.13	15.56	15.00	2.25
316F84N160H4S	420.00	84	480	14	505	159.13	15.56	15.00	2.25
316F90N160H4S	450.00	90	480	15	541	159.13	15.56	15.00	2.25
316F96N160H4S	480.00	96	480	16	577	159.13	15.56	15.00	2.25

18 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
318F108N88H4S	337.50	108	480	9	406	87.50	4.44	17.00	2.38
318F108N95H4S	337.50	108	480	9	406	94.50	11.44	17.00	2.38
318F108N120H4S	405.00	108	480	18	487	119.00	12.94	17.00	2.38
318F108N140H4S	472.50	108	480	18	568	139.00	15.44	17.00	2.38
318F108N160H4S	540.00	108	480	18	650	159.00	15.44	17.00	2.38

20 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
320F120N88H4S	375.00	120	480	10	451	87.38	4.31	19.00	2.50
320F120N95H4S	375.00	120	480	10	451	94.38	11.31	19.00	2.50
320F132N88H4S	412.50	132	480	11	496	87.38	4.31	19.00	2.50
320F132N95H4S	412.50	132	480	11	496	94.38	11.31	19.00	2.50
320F144N88H4S	450.00	144	480	12	541	87.38	4.31	19.00	2.50
320F144N95H4S	450.00	144	480	12	541	94.38	11.31	19.00	2.50
320F120N120H4S	450.00	120	480	20	541	118.88	12.81	19.00	2.50
320F126N120H4S	472.50	126	480	21	568	118.88	12.81	19.00	2.50
320F132N120H4S	495.00	132	480	22	595	118.88	12.81	19.00	2.50
320F120N140H4S	525.00	120	480	20	631	138.88	15.31	19.00	2.50
320F144N120H4S	540.00	144	480	24	650	118.88	12.81	19.00	2.50
320F126N140H4S	551.00	126	480	21	663	138.88	15.31	19.00	2.50
320F180N88H4S	563.00	180	480	15	677	87.38	4.31	19.00	2.50
320F180N95H4S	563.00	180	480	15	677	94.38	11.31	19.00	2.50
320F132N140H4S	578.00	132	480	22	695	138.88	15.31	19.00	2.50
320F120N160H4S	600.00	120	480	20	722	158.88	15.31	19.00	2.50
320F162N120H4S	608.00	162	480	27	731	118.88	12.81	19.00	2.50
320F144N140H4S	630.00	144	480	24	758	138.88	15.31	19.00	2.50
320F126N160H4S	630.00	126	480	21	758	158.88	15.31	19.00	2.50
320F132N160H4S	660.00	132	480	22	794	158.88	15.31	19.00	2.50
320F180N120H4S	675.00	180	480	20	812	118.88	12.81	19.00	2.50
320F162N140H4S	709.00	162	480	27	853	138.88	15.31	19.00	2.50
320F144N160H4S	720.00	144	480	24	866	158.88	15.31	19.00	2.50
320F180N140H4S	788.00	180	480	20	948	138.88	15.31	19.00	2.50
320F162N160H4S	810.00	162	480	27	974	158.88	15.31	19.00	2.50
320F180N160H4S	900.00	180	480	30	1,083	158.88	15.31	19.00	2.50

24 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
324F192N88H4S	600.00	192	480	16	722	87.13	4.06	23.00	2.75
324F192N95H4S	600.00	192	480	16	722	94.13	11.06	23.00	2.75
324F216N88H4S	675.00	216	480	18	812	87.13	4.06	23.00	2.75
324F216N95H4S	675.00	216	480	18	812	94.13	11.06	23.00	2.75
324F192N120H4S	720.00	192	480	32	866	118.63	12.56	23.00	2.75

300# Flanged Immersion Heaters - Type IF

324F240N88H4S	750.00	240	480	20	902	87.13	4.06	23.00	2.75
324F240N95H4S	750.00	240	480	20	902	94.13	11.06	23.00	2.75
324F216N120H4S	810.00	216	480	36	974	118.63	12.56	23.00	2.75
324F192N140H4S	840.00	192	480	32	1,010	138.63	15.06	23.00	2.75
324F234N120H4S	878.00	234	480	39	1,056	118.63	12.56	23.00	2.75
324F240N120H4S	900.00	240	480	40	1,083	118.63	12.56	23.00	2.75
324F216N140H4S	945.00	216	480	36	1,137	138.63	15.06	23.00	2.75
324F192N160H4S	960.00	192	480	32	1,155	158.63	15.06	23.00	2.75
324F234N140H4S	1,024.00	234	480	39	1,232	138.63	15.06	23.00	2.75
324F240N140H4S	1,050.00	240	480	40	1,263	138.63	15.06	23.00	2.75
324F216N160H4S	1,080.00	216	480	36	1,299	158.63	15.06	23.00	2.75
324F234N160H4S	1,170.00	234	480	39	1,407	158.63	15.06	23.00	2.75
324F240N160H4S	1,200.00	240	480	40	1,443	158.63	15.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

10 Watts/Sq. Inch

3 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
33F3N44G4Y	3.00	3	480	1	4	44.25	10.69	2.90	1.13
33F3N56G4Y	4.00	3	480	1	5	56.25	10.69	2.90	1.13
33F3N67G4Y	5.00	3	480	1	6	67.25	10.69	2.90	1.13
33F3N80G4Y	6.00	3	480	1	7	80.25	12.69	2.90	1.13
33F3N100G4Y	7.50	3	480	1	9	100.25	12.69	2.90	1.13
33F3N120G4Y	9.50	3	480	1	11	120.25	12.69	2.90	1.13
33F3N140G4Y	11.00	3	480	1	13	140.25	16.69	2.90	1.13
33F3N160G4Y	13.00	3	480	1	16	160.25	16.69	2.90	1.13

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
34F6N44G4Y	6.00	6	480	1	7	44.13	10.56	3.83	1.25
34F6N56G4Y	8.00	6	480	1	10	56.13	10.56	3.83	1.25
34F6N67G4Y	10.00	6	480	1	12	67.13	10.56	3.83	1.25
34F6N80G4Y	12.00	6	480	1	14	80.13	12.56	3.83	1.25
34F6N100G4Y	15.00	6	480	1	18	100.13	12.56	3.83	1.25
34F6N120G4Y	19.00	6	480	1	23	120.13	12.56	3.83	1.25
34F6N140G4Y	22.00	6	480	1	26	140.13	16.56	3.83	1.25
34F6N160G4Y	26.00	6	480	1	31	160.13	16.56	3.83	1.25

5 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
35F9N44G4Y	9.00	9	480	1	11	44.00	10.44	4.81	1.38
35F9N56G4Y	12.00	9	480	1	14	56.00	10.44	4.81	1.38
35F9N67G4Y	15.00	9	480	1	18	67.00	10.44	4.81	1.38
35F9N80G4Y	18.00	9	480	1	22	80.00	12.44	4.81	1.38
35F9N100G4Y	22.50	9	480	1	27	100.00	12.44	4.81	1.38
35F9N120G4Y	28.50	9	480	1	34	120.00	12.44	4.81	1.38
35F9N140G4Y	33.00	9	480	1	40	140.00	16.44	4.81	1.38
35F9N160G4Y	39.00	9	480	1	47	160.00	16.44	4.81	1.38

6 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
36F12N44G4Y	12.00	12	480	1	14	43.94	10.38	5.76	1.44
36F15N44G4Y	15.00	15	480	1	18	43.94	10.38	5.76	1.44
36F12N56G4Y	16.00	12	480	1	19	55.94	10.38	5.76	1.44
36F15N56G4Y	20.00	15	480	1	24	55.94	10.38	5.76	1.44
36F12N67G4Y	20.00	12	480	1	24	66.94	10.38	5.76	1.44
36F12N80G4Y	24.00	12	480	1	29	79.94	12.38	5.76	1.44
36F15N67G4Y	25.00	15	480	1	30	66.94	10.38	5.76	1.44
36F15N80G4Y	30.00	15	480	1	36	79.94	12.38	5.76	1.44
36F12N100G4Y	30.00	12	480	1	36	99.94	12.38	5.76	1.44
36F15N100G4Y	37.50	15	480	1	45	99.94	12.38	5.76	1.44
36F12N120G4Y	38.00	12	480	1	46	119.94	12.38	5.76	1.44
36F12N140G4Y	44.00	12	480	2	53	139.94	16.38	5.76	1.44
36F12N160G4Y	52.00	12	480	2	63	159.94	16.38	5.76	1.44

8 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
38F18N44G4Y	18.00	18	480	1	22	43.75	10.19	7.63	1.63

300# Flanged Immersion Heaters - Type IF

38F24N44G4Y	24.00	24	480	1	29	43.75	10.19	7.63	1.63
38F18N56G4Y	24.00	18	480	1	29	55.75	10.19	7.63	1.63
38F18N67G4Y	30.00	18	480	1	36	66.75	10.19	7.63	1.63
38F24N56G4Y	32.00	24	480	1	38	55.75	10.19	7.63	1.63
38F18N80G4Y	36.00	18	480	1	43	79.75	12.19	7.63	1.63
38F24N67G4Y	40.00	24	480	1	48	66.75	10.19	7.63	1.63
38F18N100G4Y	45.00	18	480	2	54	99.75	12.19	7.63	1.63
38F24N80G4Y	48.00	24	480	2	58	79.75	12.19	7.63	1.63
38F18N120G4Y	57.00	18	480	2	69	119.75	12.19	7.63	1.63
38F24N100G4Y	60.00	24	480	2	72	99.75	12.19	7.63	1.63
38F18N140G4Y	66.00	18	480	2	79	139.75	16.19	7.63	1.63
38F24N120G4Y	76.00	24	480	2	91	119.75	12.19	7.63	1.63
38F18N160G4Y	78.00	18	480	2	94	159.75	16.19	7.63	1.63
38F24N140G4Y	88.00	24	480	4	106	139.75	16.19	7.63	1.63
38F24N160G4Y	104.00	24	480	4	125	159.75	16.19	7.63	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
310F30N44G4Y	30.00	30	480	1	36	43.50	9.94	9.75	1.88
310F36N44G4Y	36.00	36	480	1	43	43.50	9.94	9.75	1.88
310F30N56G4Y	40.00	30	480	1	48	55.50	9.94	9.75	1.88
310F36N56G4Y	48.00	36	480	2	58	55.50	9.94	9.75	1.88
310F30N67G4Y	50.00	30	480	2	60	66.50	9.94	9.75	1.88
310F36N67G4Y	60.00	36	480	2	72	66.50	9.94	9.75	1.88
310F30N80G4Y	60.00	30	480	2	72	79.50	11.94	9.75	1.88
310F36N80G4Y	72.00	36	480	2	87	79.50	11.94	9.75	1.88
310F30N100G4Y	75.00	30	480	2	90	99.50	11.94	9.75	1.88
310F36N100G4Y	90.00	36	480	3	108	99.50	11.94	9.75	1.88
310F30N140G4Y	110.00	30	480	5	132	139.50	15.94	9.75	1.88
310F36N120G4Y	114.00	36	480	3	137	119.50	11.94	9.75	1.88
310F30N160G4Y	130.00	30	480	5	156	159.50	15.94	9.75	1.88
310F36N140G4Y	132.00	36	480	4	159	139.50	15.94	9.75	1.88
310F36N160G4Y	156.00	36	480	4	188	159.50	15.94	9.75	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
312F48N44G4Y	48.00	48	480	2	58	43.38	9.81	11.75	2.00
312F48N56G4Y	64.00	48	480	2	77	55.38	9.81	11.75	2.00
312F48N67G4Y	80.00	48	480	2	96	66.38	9.81	11.75	2.00
312F48N80G4Y	96.00	48	480	4	115	79.38	11.81	11.75	2.00
312F54N80G4Y	108.00	54	480	3	130	79.38	11.81	11.75	2.00
312F48N100G4Y	120.00	48	480	4	144	99.38	11.81	11.75	2.00
312F54N100G4Y	135.00	54	480	6	162	99.38	11.81	11.75	2.00
312F48N120G4Y	152.00	48	480	4	183	119.38	11.81	11.75	2.00
312F54N120G4Y	171.00	54	480	6	206	119.38	11.81	11.75	2.00
312F48N140G4Y	176.00	48	480	8	212	139.38	15.81	11.75	2.00
312F54N140G4Y	198.00	54	480	6	238	139.38	15.81	11.75	2.00
312F48N160G4Y	208.00	48	480	8	250	159.38	15.81	11.75	2.00
312F54N160G4Y	234.00	54	480	6	281	159.38	15.81	11.75	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
314F54N80G4Y	108.00	54	480	3	130	79.25	11.69	13.00	2.13
314F60N80G4Y	120.00	60	480	4	144	79.25	11.69	13.00	2.13

300# Flanged Immersion Heaters - Type IF

314F54N100G4Y	135.00	54	480	6	162	99.25	11.69	13.00	2.13
314F72N80G4Y	144.00	72	480	4	173	79.25	11.69	13.00	2.13
314F60N100G4Y	150.00	60	480	4	180	99.25	11.69	13.00	2.13
314F54N120G4Y	171.00	54	480	6	206	119.25	11.69	13.00	2.13
314F72N100G4Y	180.00	72	480	6	217	99.25	11.69	13.00	2.13
314F60N120G4Y	190.00	60	480	5	229	119.25	11.69	13.00	2.13
314F54N140G4Y	198.00	54	480	6	238	139.25	15.69	13.00	2.13
314F60N140G4Y	220.00	60	480	10	265	139.25	15.69	13.00	2.13
314F72N120G4Y	228.00	72	480	6	274	119.25	11.69	13.00	2.13
314F54N160G4Y	234.00	54	480	6	281	159.25	15.69	13.00	2.13
314F60N160G4Y	260.00	60	480	10	313	159.25	15.69	13.00	2.13
314F72N140G4Y	264.00	72	480	8	318	139.25	15.69	13.00	2.13
314F72N160G4Y	312.00	72	480	8	375	159.25	15.69	13.00	2.13

16 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
316F84N80G4Y	168.00	84	480	7	202	79.13	11.56	15.00	2.25
316F90N80G4Y	180.00	90	480	5	217	79.13	11.56	15.00	2.25
316F96N80G4Y	192.00	96	480	8	231	79.13	11.56	15.00	2.25
316F84N100G4Y	210.00	84	480	7	253	99.13	11.56	15.00	2.25
316F90N100G4Y	225.00	90	480	10	271	99.13	11.56	15.00	2.25
316F96N100G4Y	240.00	96	480	8	289	99.13	11.56	15.00	2.25
316F84N120G4Y	266.00	84	480	7	320	119.13	11.56	15.00	2.25
316F90N120G4Y	285.00	90	480	10	343	119.13	11.56	15.00	2.25
316F96N120G4Y	304.00	96	480	8	366	119.13	11.56	15.00	2.25
316F84N140G4Y	308.00	84	480	14	370	139.13	15.56	15.00	2.25
316F90N140G4Y	330.00	90	480	10	397	139.13	15.56	15.00	2.25
316F96N140G4Y	352.00	96	480	16	423	139.13	15.56	15.00	2.25
316F84N160G4Y	364.00	84	480	14	438	159.13	15.56	15.00	2.25
316F90N160G4Y	390.00	90	480	10	469	159.13	15.56	15.00	2.25
316F96N160G4Y	416.00	96	480	16	500	159.13	15.56	15.00	2.25

18 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
318F108N100G4Y	270.00	108	480	9	325	99.00	11.44	17.00	2.38
318F108N120G4Y	342.00	108	480	9	411	119.00	11.44	17.00	2.38
318F108N140G4Y	396.00	108	480	12	476	139.00	15.44	17.00	2.38
318F108N160G4Y	468.00	108	480	12	563	159.00	15.44	17.00	2.38

20 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
320F120N100G4Y	300.00	120	480	8	361	98.88	11.31	19.00	2.50
320F126N100G4Y	315.00	126	480	14	379	98.88	11.31	19.00	2.50
320F132N100G4Y	330.00	132	480	11	397	98.88	11.31	19.00	2.50
320F144N100G4Y	360.00	144	480	12	433	98.88	11.31	19.00	2.50
320F120N120G4Y	380.00	120	480	10	457	118.88	11.31	19.00	2.50
320F126N120G4Y	399.00	126	480	14	480	118.88	11.31	19.00	2.50
320F162N100G4Y	405.00	162	480	18	487	98.88	11.31	19.00	2.50
320F132N120G4Y	418.00	132	480	11	503	118.88	11.31	19.00	2.50
320F120N140G4Y	440.00	120	480	20	529	138.88	15.31	19.00	2.50
320F180N100G4Y	450.00	180	480	12	541	98.88	11.31	19.00	2.50
320F144N120G4Y	456.00	144	480	12	548	118.88	11.31	19.00	2.50
320F126N140G4Y	462.00	126	480	14	556	138.88	15.31	19.00	2.50
320F132N140G4Y	484.00	132	480	22	582	138.88	15.31	19.00	2.50

300# Flanged Immersion Heaters - Type IF

320F162N120G4Y	513.00	162	480	18	617	118.88	11.31	19.00	2.50
320F120N160G4Y	520.00	120	480	20	625	158.88	15.31	19.00	2.50
320F144N140G4Y	528.00	144	480	24	635	138.88	15.31	19.00	2.50
320F126N160G4Y	546.00	126	480	14	657	158.88	15.31	19.00	2.50
320F180N120G4Y	570.00	180	480	15	686	118.88	11.31	19.00	2.50
320F132N160G4Y	572.00	132	480	22	688	158.88	15.31	19.00	2.50
320F162N140G4Y	594.00	162	480	18	714	138.88	15.31	19.00	2.50
320F144N160G4Y	624.00	144	480	24	751	158.88	15.31	19.00	2.50
320F180N140G4Y	660.00	180	480	20	794	138.88	15.31	19.00	2.50
320F162N160G4Y	702.00	162	480	18	844	158.88	15.31	19.00	2.50
320F180N160G4Y	780.00	180	480	20	938	158.88	15.31	19.00	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
324F192N100G4Y	480.00	192	480	16	577	98.63	11.06	23.00	2.75
324F216N100G4Y	540.00	216	480	18	650	98.63	11.06	23.00	2.75
324F234N100G4Y	585.00	234	480	26	704	98.63	11.06	23.00	2.75
324F240N100G4Y	600.00	240	480	16	722	98.63	11.06	23.00	2.75
324F192N120G4Y	608.00	192	480	16	731	118.63	11.06	23.00	2.75
324F216N120G4Y	684.00	216	480	18	823	118.63	11.06	23.00	2.75
324F192N140G4Y	704.00	192	480	32	847	138.63	15.06	23.00	2.75
324F234N120G4Y	741.00	234	480	26	891	118.63	11.06	23.00	2.75
324F240N120G4Y	760.00	240	480	20	914	118.63	11.06	23.00	2.75
324F216N140G4Y	792.00	216	480	24	953	138.63	15.06	23.00	2.75
324F192N160G4Y	832.00	192	480	32	1,001	158.63	15.06	23.00	2.75
324F234N140G4Y	858.00	234	480	26	1,032	138.63	15.06	23.00	2.75
324F240N140G4Y	880.00	240	480	40	1,059	138.63	15.06	23.00	2.75
324F216N160G4Y	936.00	216	480	24	1,126	158.63	15.06	23.00	2.75
324F234N160G4Y	1,014.00	234	480	26	1,220	158.63	15.06	23.00	2.75
324F240N160G4Y	1,040.00	240	480	40	1,251	158.63	15.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

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>
34F6N111F4S	15.00	6	480	1	18	111.13	16.56	3.83	1.25

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
36F12N111F4S	30.00	12	480	2	36	110.94	16.38	5.76	1.44

300# Flanged Immersion Heaters - Type IF

8 Watts/Sq. Inch

3 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
33F3N10M2Y	0.50	3	240	1	1	10.25	3.69	2.90	1.13
33F3N13M4Y	0.75	3	480	1	1	13.25	3.69	2.90	1.13
33F3N18M2Y	1.00	3	240	1	2	17.75	3.69	2.90	1.13
33F3N18M4Y	1.00	3	480	1	1	17.75	3.69	2.90	1.13
33F3N20M2Y	1.25	3	240	1	3	19.75	3.69	2.90	1.13
33F3N20M4Y	1.25	3	480	1	2	20.25	3.69	2.90	1.13
33F3N25M4Y	1.50	3	480	1	2	25.25	3.69	2.90	1.13
33F3N25M2Y	1.50	3	240	1	4	25.25	3.69	2.90	1.13
33F3N33M4Y	2.00	3	480	1	2	32.75	3.69	2.90	1.13
33F3N40M4Y	2.50	3	480	1	3	40.25	3.69	2.90	1.13
33F3N40M2Y	2.50	3	240	1	6	40.25	3.69	2.90	1.13
33F3N48M4Y	3.00	3	480	1	4	47.75	3.69	2.90	1.13
33F3N52M4Y	3.25	3	480	1	4	51.75	5.69	2.90	1.13
33F3N52M2Y	3.25	3	240	1	8	51.75	5.69	2.90	1.13
33F3N59M4Y	3.25	3	480	1	4	57.75	12.69	2.90	1.13
33F3N64M2Y	4.25	3	240	1	10	64.25	5.69	2.90	1.13
33F3N64M4Y	4.25	3	480	1	5	64.25	5.69	2.90	1.13
33F3N73M4Y	4.25	3	480	1	5	71.75	16.69	2.90	1.13
33F3N77M2Y	5.00	3	240	1	12	76.75	5.69	2.90	1.13
33F3N77M4Y	5.00	3	480	1	6	76.75	5.69	2.90	1.13
33F3N88M4Y	5.50	3	480	1	7	88.75	5.69	2.90	1.13
33F3N95M4Y	5.50	3	480	1	7	93.75	12.69	2.90	1.13
33F3N106M4Y	6.25	3	480	1	8	106.25	12.69	2.90	1.13
33F3N120M4Y	7.75	3	480	1	9	120.25	12.69	2.90	1.13
33F3N140M4Y	8.75	3	480	1	11	140.25	16.69	2.90	1.13
33F3N160M4Y	10.00	3	480	1	12	160.25	16.69	2.90	1.13

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
34F6N10M2Y	1.00	6	240	1	2	10.13	3.56	3.83	1.25
34F6N13M4Y	1.50	6	480	1	2	13.13	3.56	3.83	1.25
34F6N18M4Y	2.00	6	480	1	2	17.63	3.56	3.83	1.25
34F6N18M2Y	2.00	6	240	1	5	17.63	3.56	3.83	1.25
34F6N20M2Y	2.50	6	240	1	6	19.63	3.56	3.83	1.25
34F6N20M4Y	2.50	6	480	1	3	20.13	3.56	3.83	1.25
34F6N25M2Y	3.00	6	240	1	7	25.13	3.56	3.83	1.25
34F6N25M4Y	3.00	6	480	1	4	25.13	3.56	3.83	1.25
34F6N33M4Y	4.00	6	480	1	5	32.63	3.56	3.83	1.25
34F6N44G4S	4.50	6	480	1	5	44.13	10.56	3.83	1.25
34F6N40M4Y	5.00	6	480	1	6	40.13	3.56	3.83	1.25
34F6N40M2Y	5.00	6	240	1	12	40.13	3.56	3.83	1.25
34F6N48M4Y	6.00	6	480	1	7	47.63	3.56	3.83	1.25
34F6N56G4S	6.00	6	480	1	7	56.13	10.56	3.83	1.25
34F6N52M4Y	6.63	6	480	1	8	51.63	5.56	3.83	1.25
34F6N52M2Y	6.63	6	240	1	16	51.63	5.56	3.83	1.25
34F6N59M4Y	6.63	6	480	1	8	57.63	12.56	3.83	1.25
34F6N67G4S	7.50	6	480	1	9	67.13	10.56	3.83	1.25
34F6N64M4Y	8.50	6	480	1	10	64.13	5.56	3.83	1.25
34F6N64M2Y	8.50	6	240	1	20	64.13	5.56	3.83	1.25
34F6N73M4Y	8.50	6	480	1	10	71.63	16.56	3.83	1.25

300# Flanged Immersion Heaters - Type IF

34F6N80G4S	9.00	6	480	1	11	80.13	12.56	3.83	1.25
34F6N77M4Y	10.00	6	480	1	12	76.63	5.56	3.83	1.25
34F6N77M2Y	10.00	6	240	1	24	76.63	5.56	3.83	1.25
34F6N88M4Y	11.00	6	480	1	13	88.63	5.56	3.83	1.25
34F6N95M4Y	11.00	6	480	1	13	93.63	12.56	3.83	1.25
34F6N100G4S	11.25	6	480	1	14	100.13	12.56	3.83	1.25
34F6N106M4Y	12.50	6	480	1	15	106.13	12.56	3.83	1.25
34F6N120G4S	14.25	6	480	1	17	120.13	12.56	3.83	1.25
34F6N120M4Y	15.50	6	480	1	19	120.13	12.56	3.83	1.25
34F6N140G4S	16.50	6	480	1	20	140.13	16.56	3.83	1.25
34F6N140M4Y	17.50	6	480	1	21	140.13	16.56	3.83	1.25
34F6N160G4S	19.50	6	480	1	23	160.13	16.56	3.83	1.25
34F6N160M4Y	20.00	6	480	1	24	160.13	16.56	3.83	1.25

5 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
35F9N10M2Y	1.50	9	240	1	4	10.00	3.44	4.81	1.38
35F9N13M4Y	2.25	9	480	1	3	13.00	3.44	4.81	1.38
35F9N18M4Y	3.00	9	480	1	4	17.50	3.44	4.81	1.38
35F9N18M2Y	3.00	9	240	1	7	17.50	3.44	4.81	1.38
35F9N20M2Y	3.75	9	240	1	9	19.50	3.44	4.81	1.38
35F9N20M4Y	3.75	9	480	1	5	20.00	3.44	4.81	1.38
35F9N25M4Y	4.50	9	480	1	5	25.00	3.44	4.81	1.38
35F9N25M2Y	4.50	9	240	1	11	25.00	3.44	4.81	1.38
35F9N33M4Y	6.00	9	480	1	7	32.50	3.44	4.81	1.38
35F9N40M2Y	7.50	9	240	1	18	40.00	3.44	4.81	1.38
35F9N40M4Y	7.50	9	480	1	9	40.00	3.44	4.81	1.38
35F9N48M4Y	9.00	9	480	1	11	47.50	3.44	4.81	1.38
35F9N52M4Y	10.00	9	480	1	12	51.50	5.44	4.81	1.38
35F9N52M2Y	10.00	9	240	1	24	51.50	5.44	4.81	1.38
35F9N59M4Y	10.00	9	480	1	12	57.50	12.44	4.81	1.38
35F9N64M4Y	12.75	9	480	1	15	64.00	5.44	4.81	1.38
35F9N64M2Y	12.75	9	240	1	31	64.00	5.44	4.81	1.38
35F9N73M4Y	12.75	9	480	1	15	71.50	16.44	4.81	1.38
35F9N77M2Y	15.00	9	240	1	36	76.50	5.44	4.81	1.38
35F9N77M4Y	15.00	9	480	1	18	76.50	5.44	4.81	1.38
35F9N88M4Y	16.75	9	480	1	20	88.50	5.44	4.81	1.38
35F9N95M4Y	16.75	9	480	1	20	93.50	12.44	4.81	1.38
35F9N106M4Y	18.75	9	480	1	23	106.00	12.44	4.81	1.38
35F9N120M4Y	23.25	9	480	1	28	120.00	12.44	4.81	1.38
35F9N140M4Y	26.25	9	480	1	32	140.00	16.44	4.81	1.38
35F9N160M4Y	30.00	9	480	1	36	160.00	16.44	4.81	1.38

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
36F12N10M2Y	2.00	12	240	1	5	9.94	3.38	5.76	1.44
36F15N10M2Y	2.50	15	240	1	6	9.94	3.38	5.76	1.44
36F12N13M4Y	3.00	12	480	1	4	12.94	3.38	5.76	1.44
36F15N13M4Y	3.75	15	480	1	5	12.94	3.38	5.76	1.44
36F12N18M4Y	4.00	12	480	1	5	17.44	3.38	5.76	1.44
36F12N18M2Y	4.00	12	240	1	10	17.44	3.38	5.76	1.44
36F15N18M4Y	5.00	15	480	1	6	17.44	3.38	5.76	1.44
36F15N18M2Y	5.00	15	240	1	12	17.44	3.38	5.76	1.44
36F12N20M2Y	5.00	12	240	1	12	19.44	3.38	5.76	1.44

300# Flanged Immersion Heaters - Type IF

36F12N20M4Y	5.00	12	480	1	6	19.94	3.38	5.76	1.44
36F12N25M4Y	6.00	12	480	1	7	24.94	3.38	5.76	1.44
36F12N25M2Y	6.00	12	240	1	14	24.94	3.38	5.76	1.44
36F15N20M2Y	6.25	15	240	1	15	19.44	3.38	5.76	1.44
36F15N20M4Y	6.25	15	480	1	8	19.94	3.38	5.76	1.44
36F15N25M2Y	7.50	15	240	1	18	24.94	3.38	5.76	1.44
36F15N25M4Y	7.50	15	480	1	9	24.94	3.38	5.76	1.44
36F12N33M4Y	8.00	12	480	1	10	32.44	3.38	5.76	1.44
36F12N44G4S	9.00	12	480	1	11	43.94	10.38	5.76	1.44
36F15N33M4Y	10.00	15	480	1	12	32.44	3.38	5.76	1.44
36F12N40M4Y	10.00	12	480	1	12	39.94	3.38	5.76	1.44
36F12N40M2Y	10.00	12	240	1	24	39.94	3.38	5.76	1.44
36F12N48M4Y	12.00	12	480	1	14	47.44	3.38	5.76	1.44
36F12N56G4S	12.00	12	480	1	14	55.94	10.38	5.76	1.44
36F15N40M4Y	12.50	15	480	1	15	39.94	3.38	5.76	1.44
36F15N40M2Y	12.50	15	240	1	30	39.94	3.38	5.76	1.44
36F12N52M4Y	13.25	12	480	1	16	51.44	5.38	5.76	1.44
36F12N52M2Y	13.25	12	240	1	32	51.44	5.38	5.76	1.44
36F12N59M4Y	13.25	12	480	1	16	57.44	12.38	5.76	1.44
36F15N48M4Y	15.00	15	480	1	18	47.44	3.38	5.76	1.44
36F12N67G4S	15.00	12	480	1	18	66.94	10.38	5.76	1.44
36F15N52M2Y	16.50	15	240	1	40	51.44	5.38	5.76	1.44
36F15N52M4Y	16.50	15	480	1	20	51.44	5.38	5.76	1.44
36F15N59M4Y	16.50	15	480	1	20	57.44	12.38	5.76	1.44
36F12N64M4Y	17.00	12	480	1	20	63.94	5.38	5.76	1.44
36F12N64M2Y	17.00	12	240	1	41	63.94	5.38	5.76	1.44
36F12N73M4Y	17.00	12	480	1	20	71.44	16.38	5.76	1.44
36F12N80G4S	18.00	12	480	1	22	79.94	12.38	5.76	1.44
36F12N77M4Y	20.00	12	480	1	24	76.44	5.38	5.76	1.44
36F12N77M2Y	20.00	12	240	1	48	76.44	5.38	5.76	1.44
36F15N64M4Y	21.25	15	480	1	26	63.94	5.38	5.76	1.44
36F15N73M4Y	21.25	15	480	1	26	71.44	16.38	5.76	1.44
36F12N88M4Y	22.25	12	480	1	27	88.44	5.38	5.76	1.44
36F12N95M4Y	22.25	12	480	1	27	93.44	12.38	5.76	1.44
36F12N100G4S	22.50	12	480	1	27	99.94	12.38	5.76	1.44
36F15N77M4Y	25.00	15	480	1	30	76.44	5.38	5.76	1.44
36F12N106M4Y	25.00	12	480	1	30	105.94	12.38	5.76	1.44
36F15N88M4Y	28.00	15	480	1	34	88.44	5.38	5.76	1.44
36F15N95M4Y	28.00	15	480	1	34	93.44	12.38	5.76	1.44
36F12N120G4S	28.50	12	480	1	34	119.94	12.38	5.76	1.44
36F12N120M4Y	31.00	12	480	1	37	119.94	12.38	5.76	1.44
36F15N106M4Y	31.50	15	480	1	38	105.94	12.38	5.76	1.44
36F12N140G4S	33.00	12	480	1	40	139.94	16.38	5.76	1.44
36F12N140M4Y	35.00	12	480	1	42	139.94	16.38	5.76	1.44
36F15N120M4Y	39.00	15	480	1	47	119.94	12.38	5.76	1.44
36F12N160G4S	39.00	12	480	1	47	159.94	16.38	5.76	1.44
36F12N160M4Y	40.00	12	480	1	48	159.94	16.38	5.76	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
38F18N13M4Y	4.50	18	480	1	5	12.75	3.19	7.63	1.63
38F24N13M4Y	6.00	24	480	1	7	12.75	3.19	7.63	1.63
38F18N18M4Y	6.00	18	480	1	7	17.25	3.19	7.63	1.63
38F18N20M4Y	7.50	18	480	1	9	19.75	3.19	7.63	1.63

300# Flanged Immersion Heaters - Type IF

38F24N18M4Y	8.00	24	480	1	10	17.25	3.19	7.63	1.63
38F18N25M4Y	9.00	18	480	1	11	24.75	3.19	7.63	1.63
38F24N20M4Y	10.00	24	480	1	12	19.75	3.19	7.63	1.63
38F24N25M4Y	12.00	24	480	1	14	24.75	3.19	7.63	1.63
38F18N33M4Y	12.00	18	480	1	14	32.25	3.19	7.63	1.63
38F18N44G4S	13.50	18	480	1	16	43.75	10.19	7.63	1.63
38F18N40M4Y	15.00	18	480	1	18	39.75	3.19	7.63	1.63
38F24N33M4Y	16.00	24	480	1	19	32.25	3.19	7.63	1.63
38F24N44G4S	18.00	24	480	1	22	43.75	10.19	7.63	1.63
38F18N48M4Y	18.00	18	480	1	22	47.25	3.19	7.63	1.63
38F18N56G4S	18.00	18	480	1	22	55.75	10.19	7.63	1.63
38F24N40M4Y	20.00	24	480	1	24	39.75	3.19	7.63	1.63
38F18N52M4Y	20.00	18	480	1	24	51.25	5.19	7.63	1.63
38F18N59M4Y	20.00	18	480	1	24	57.25	12.19	7.63	1.63
38F18N67G4S	22.50	18	480	1	27	66.75	10.19	7.63	1.63
38F24N48M4Y	24.00	24	480	1	29	47.25	3.19	7.63	1.63
38F24N56G4S	24.00	24	480	1	29	55.75	10.19	7.63	1.63
38F18N64M4Y	25.50	18	480	1	31	63.75	5.19	7.63	1.63
38F18N73M4Y	25.50	18	480	1	31	71.25	16.19	7.63	1.63
38F24N52M4Y	26.50	24	480	1	32	51.25	5.19	7.63	1.63
38F24N59M4Y	26.50	24	480	1	32	57.25	12.19	7.63	1.63
38F18N80G4S	27.00	18	480	1	32	79.75	12.19	7.63	1.63
38F24N67G4S	30.00	24	480	1	36	66.75	10.19	7.63	1.63
38F18N77M4Y	30.00	18	480	1	36	76.25	5.19	7.63	1.63
38F18N88M4Y	33.50	18	480	1	40	88.25	5.19	7.63	1.63
38F18N95M4Y	33.50	18	480	1	40	93.25	12.19	7.63	1.63
38F18N100G4S	33.75	18	480	1	41	99.75	12.19	7.63	1.63
38F24N64M4Y	34.00	24	480	1	41	63.75	5.19	7.63	1.63
38F24N73M4Y	34.00	24	480	1	41	71.25	16.19	7.63	1.63
38F24N80G4S	36.00	24	480	1	43	79.75	12.19	7.63	1.63
38F18N106M4Y	37.75	18	480	1	45	105.75	12.19	7.63	1.63
38F24N77M4Y	40.00	24	480	1	48	76.25	5.19	7.63	1.63
38F24N88M4Y	44.75	24	480	2	54	88.25	5.19	7.63	1.63
38F24N95M4Y	44.75	24	480	2	54	93.25	12.19	7.63	1.63
38F24N100G4S	45.00	24	480	2	54	99.75	12.19	7.63	1.63
38F18N120M4Y	46.75	18	480	2	56	119.75	12.19	7.63	1.63
38F24N106M4Y	50.25	24	480	2	60	105.75	12.19	7.63	1.63
38F18N140M4Y	52.50	18	480	2	63	139.75	16.19	7.63	1.63
38F24N120G4S	57.00	24	480	2	69	119.75	12.19	7.63	1.63
38F18N160M4Y	60.00	18	480	2	72	159.75	16.19	7.63	1.63
38F24N120M4Y	62.25	24	480	2	75	119.75	12.19	7.63	1.63
38F24N140G4S	66.00	24	480	2	79	139.75	16.19	7.63	1.63
38F24N140M4Y	70.00	24	480	2	84	139.75	16.19	7.63	1.63
38F24N160G4S	78.00	24	480	2	94	159.75	16.19	7.63	1.63
38F24N160M4Y	80.00	24	480	2	96	159.75	16.19	7.63	1.63

10 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
310F30N13M4Y	7.50	30	480	1	9	12.50	2.94	9.75	1.88
310F36N13M4Y	9.00	36	480	1	11	12.50	2.94	9.75	1.88
310F30N18M4Y	10.00	30	480	1	12	17.00	2.94	9.75	1.88
310F36N18M4Y	12.00	36	480	1	14	17.00	2.94	9.75	1.88
310F30N20M4Y	12.50	30	480	1	15	19.50	2.94	9.75	1.88
310F36N20M4Y	15.00	36	480	1	18	19.50	2.94	9.75	1.88

300# Flanged Immersion Heaters - Type IF

310F30N25M4Y	15.00	30	480	1	18	24.50	2.94	9.75	1.88
310F36N25M4Y	18.00	36	480	1	22	24.50	2.94	9.75	1.88
310F30N33M4Y	20.00	30	480	1	24	32.00	2.94	9.75	1.88
310F30N44G4S	22.50	30	480	1	27	43.50	9.94	9.75	1.88
310F36N33M4Y	24.00	36	480	1	29	32.00	2.94	9.75	1.88
310F30N40M4Y	25.00	30	480	1	30	39.50	2.94	9.75	1.88
310F36N44G4S	27.00	36	480	1	32	43.50	9.94	9.75	1.88
310F36N40M4Y	30.00	36	480	1	36	39.50	2.94	9.75	1.88
310F30N48M4Y	30.00	30	480	1	36	47.00	2.94	9.75	1.88
310F30N56G4S	30.00	30	480	1	36	55.50	9.94	9.75	1.88
310F30N52M4Y	33.25	30	480	1	40	51.00	4.94	9.75	1.88
310F30N59M4Y	33.25	30	480	1	40	57.00	11.94	9.75	1.88
310F36N48M4Y	36.00	36	480	1	43	47.00	2.94	9.75	1.88
310F36N56G4S	36.00	36	480	1	43	55.50	9.94	9.75	1.88
310F30N67G4S	37.50	30	480	1	45	66.50	9.94	9.75	1.88
310F36N52M4Y	40.00	36	480	1	48	51.00	4.94	9.75	1.88
310F36N59M4Y	40.00	36	480	1	48	57.00	11.94	9.75	1.88
310F30N64M4Y	42.50	30	480	2	51	63.50	4.94	9.75	1.88
310F30N73M4Y	42.50	30	480	2	51	71.00	15.94	9.75	1.88
310F36N67G4S	45.00	36	480	2	54	66.50	9.94	9.75	1.88
310F30N77M4Y	50.00	30	480	2	60	76.00	4.94	9.75	1.88
310F36N64M4Y	51.00	36	480	2	61	63.50	4.94	9.75	1.88
310F36N73M4Y	51.00	36	480	2	61	71.00	15.94	9.75	1.88
310F36N80G4S	54.00	36	480	2	65	79.50	11.94	9.75	1.88
310F30N88M4Y	56.00	30	480	2	67	88.00	4.94	9.75	1.88
310F30N95M4Y	56.00	30	480	2	67	93.00	11.94	9.75	1.88
310F36N77M4Y	60.00	36	480	2	72	76.00	4.94	9.75	1.88
310F30N106M4Y	63.00	30	480	2	76	105.50	11.94	9.75	1.88
310F36N88M4Y	67.00	36	480	2	81	88.00	4.94	9.75	1.88
310F36N95M4Y	67.00	36	480	2	81	93.00	11.94	9.75	1.88
310F36N100G4S	67.50	36	480	2	81	99.50	11.94	9.75	1.88
310F36N106M4Y	75.50	36	480	2	91	105.50	11.94	9.75	1.88
310F30N120M4Y	78.00	30	480	2	94	119.50	11.94	9.75	1.88
310F36N120G4S	85.50	36	480	3	103	119.50	11.94	9.75	1.88
310F36N120M4Y	93.50	36	480	3	112	119.50	11.94	9.75	1.88
310F36N140G4S	99.00	36	480	3	119	139.50	15.94	9.75	1.88
310F30N160M4Y	100.00	30	480	5	120	159.50	15.94	9.75	1.88
310F36N140M4Y	105.00	36	480	3	126	139.50	15.94	9.75	1.88
310F36N160G4S	117.00	36	480	3	141	159.50	15.94	9.75	1.88
310F36N160M4Y	120.00	36	480	3	144	159.50	15.94	9.75	1.88

12 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
312F48N44G4S	36.00	48	480	1	43	43.38	9.81	11.75	2.00
312F48N40M4Y	40.00	48	480	1	48	39.38	2.81	11.75	2.00
312F48N48M4Y	48.00	48	480	2	58	46.88	2.81	11.75	2.00
312F48N56G4S	48.00	48	480	2	58	55.38	9.81	11.75	2.00
312F48N52M4Y	53.25	48	480	2	64	50.88	4.81	11.75	2.00
312F48N59M4Y	53.25	48	480	2	64	56.88	11.81	11.75	2.00
312F48N67G4S	60.00	48	480	2	72	66.38	9.81	11.75	2.00
312F48N64M4Y	68.00	48	480	2	82	63.38	4.81	11.75	2.00
312F48N73M4Y	68.00	48	480	2	82	70.88	15.81	11.75	2.00
312F48N80G4S	72.00	48	480	2	87	79.38	11.81	11.75	2.00
312F48N77M4Y	80.00	48	480	2	96	75.88	4.81	11.75	2.00

300# Flanged Immersion Heaters - Type IF

312F54N80G4S	81.00	54	480	3	97	79.38	11.81	11.75	2.00
312F48N88M4Y	89.50	48	480	4	108	87.88	4.81	11.75	2.00
312F48N95M4Y	89.50	48	480	4	108	92.88	11.81	11.75	2.00
312F48N100G4S	90.00	48	480	4	108	99.38	11.81	11.75	2.00
312F54N88M4Y	100.50	54	480	3	121	87.88	4.81	11.75	2.00
312F54N95M4Y	100.50	54	480	3	121	92.88	11.81	11.75	2.00
312F48N106M4Y	100.50	48	480	4	121	105.38	11.81	11.75	2.00
312F54N100G4S	101.00	54	480	3	121	99.38	11.81	11.75	2.00
312F54N106M4Y	113.00	54	480	3	136	105.38	11.81	11.75	2.00
312F48N120G4S	114.00	48	480	4	137	119.38	11.81	11.75	2.00
312F48N120M4Y	124.50	48	480	4	150	119.38	11.81	11.75	2.00
312F48N140G4S	132.00	48	480	4	159	139.38	15.81	11.75	2.00
312F54N120M4Y	140.00	54	480	6	168	119.38	11.81	11.75	2.00
312F48N140M4Y	140.00	48	480	4	168	139.38	15.81	11.75	2.00
312F48N160G4S	156.00	48	480	4	188	159.38	15.81	11.75	2.00
312F54N140M4Y	157.50	54	480	6	189	139.38	15.81	11.75	2.00
312F48N160M4Y	160.00	48	480	4	192	159.38	15.81	11.75	2.00
312F54N160M4Y	180.00	54	480	6	217	159.38	15.81	11.75	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
314F54N80G4S	81.00	54	480	3	97	79.25	11.69	13.00	2.13
314F54N88M4Y	100.50	54	480	3	121	87.75	4.69	13.00	2.13
314F54N95M4Y	100.50	54	480	3	121	92.75	11.69	13.00	2.13
314F54N100G4S	101.00	54	480	3	121	99.25	11.69	13.00	2.13
314F72N80G4S	108.00	72	480	3	130	79.25	11.69	13.00	2.13
314F60N88M4Y	112.00	60	480	4	135	87.75	4.69	13.00	2.13
314F60N95M4Y	112.00	60	480	4	135	92.75	11.69	13.00	2.13
314F60N100G4S	112.50	60	480	5	135	99.25	11.69	13.00	2.13
314F54N106M4Y	113.00	54	480	3	136	105.25	11.69	13.00	2.13
314F60N106M4Y	126.00	60	480	4	152	105.25	11.69	13.00	2.13
314F72N88M4Y	134.00	72	480	4	161	87.75	4.69	13.00	2.13
314F72N95M4Y	134.00	72	480	4	161	92.75	11.69	13.00	2.13
314F72N100G4S	135.00	72	480	4	162	99.25	11.69	13.00	2.13
314F54N120M4Y	140.00	54	480	6	168	119.25	11.69	13.00	2.13
314F60N120G4S	142.50	60	480	5	171	119.25	11.69	13.00	2.13
314F72N106M4Y	151.00	72	480	4	182	105.25	11.69	13.00	2.13
314F60N120M4Y	156.00	60	480	4	188	119.25	11.69	13.00	2.13
314F54N140M4Y	157.50	54	480	6	189	139.25	15.69	13.00	2.13
314F60N140G4S	165.00	60	480	5	198	139.25	15.69	13.00	2.13
314F72N120G4S	171.00	72	480	6	206	119.25	11.69	13.00	2.13
314F60N140M4Y	175.00	60	480	5	210	139.25	15.69	13.00	2.13
314F54N160M4Y	180.00	54	480	6	217	159.25	15.69	13.00	2.13
314F72N120M4Y	187.00	72	480	6	225	119.25	11.69	13.00	2.13
314F60N160G4S	195.00	60	480	5	235	159.25	15.69	13.00	2.13
314F72N140G4S	198.00	72	480	6	238	139.25	15.69	13.00	2.13
314F60N160M4Y	200.00	60	480	5	241	159.25	15.69	13.00	2.13
314F72N140M4Y	210.00	72	480	6	253	139.25	15.69	13.00	2.13
314F72N160G4S	234.00	72	480	6	281	159.25	15.69	13.00	2.13
314F72N160M4Y	240.00	72	480	6	289	159.25	15.69	13.00	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
316F90N80G4S	135.00	90	480	5	162	79.13	11.56	15.00	2.25

300# Flanged Immersion Heaters - Type IF

316F96N80G4S	144.00	96	480	4	173	79.13	11.56	15.00	2.25
316F84N88M4Y	156.50	84	480	4	188	87.63	4.56	15.00	2.25
316F84N95M4Y	156.50	84	480	4	188	92.63	11.56	15.00	2.25
316F84N100G4S	157.50	84	480	7	189	99.13	11.56	15.00	2.25
316F90N88M4Y	168.00	90	480	5	202	87.63	4.56	15.00	2.25
316F90N95M4Y	168.00	90	480	5	202	92.63	11.56	15.00	2.25
316F90N100G4S	168.50	90	480	5	203	99.13	11.56	15.00	2.25
316F84N106M4Y	176.00	84	480	7	212	105.13	11.56	15.00	2.25
316F96N88M4Y	179.00	96	480	8	215	87.63	4.56	15.00	2.25
316F96N95M4Y	179.00	96	480	8	215	92.63	11.56	15.00	2.25
316F96N100G4S	180.00	96	480	8	217	99.13	11.56	15.00	2.25
316F90N106M4Y	189.00	90	480	5	227	105.13	11.56	15.00	2.25
316F84N120G4S	199.50	84	480	7	240	119.13	11.56	15.00	2.25
316F96N106M4Y	201.50	96	480	8	242	105.13	11.56	15.00	2.25
316F84N120M4Y	218.00	84	480	7	262	119.13	11.56	15.00	2.25
316F96N120G4S	228.00	96	480	8	274	119.13	11.56	15.00	2.25
316F84N140G4S	231.00	84	480	7	278	139.13	15.56	15.00	2.25
316F90N120M4Y	234.00	90	480	10	281	119.13	11.56	15.00	2.25
316F84N140M4Y	245.00	84	480	7	295	139.13	15.56	15.00	2.25
316F96N120M4Y	249.50	96	480	8	300	119.13	11.56	15.00	2.25
316F90N140M4Y	262.50	90	480	10	316	139.13	15.56	15.00	2.25
316F96N140G4S	264.00	96	480	8	318	139.13	15.56	15.00	2.25
316F84N160G4S	273.00	84	480	7	328	159.13	15.56	15.00	2.25
316F96N140M4Y	280.00	96	480	8	337	139.13	15.56	15.00	2.25
316F84N160M4Y	280.00	84	480	7	337	159.13	15.56	15.00	2.25
316F90N160G4S	292.50	90	480	15	352	159.13	15.56	15.00	2.25
316F90N160M4Y	300.00	90	480	10	361	159.13	15.56	15.00	2.25
316F96N160G4S	312.00	96	480	8	375	159.13	15.56	15.00	2.25
316F96N160M4Y	320.00	96	480	8	385	159.13	15.56	15.00	2.25

18 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
318F108N88M4Y	201.50	108	480	6	242	87.50	4.44	17.00	2.38
318F108N95M4Y	201.50	108	480	6	242	92.50	11.44	17.00	2.38
318F108N100G4S	202.50	108	480	6	244	99.00	11.44	17.00	2.38
318F108N106M4Y	226.50	108	480	6	272	105.00	11.44	17.00	2.38
318F108N120G4S	256.50	108	480	9	309	119.00	11.44	17.00	2.38
318F108N120M4Y	280.50	108	480	9	337	119.00	11.44	17.00	2.38
318F108N140G4S	297.00	108	480	9	357	139.00	15.44	17.00	2.38
318F108N140M4Y	315.00	108	480	9	379	139.00	15.44	17.00	2.38
318F108N160G4S	351.00	108	480	9	422	159.00	15.44	17.00	2.38
318F108N160M4Y	360.00	108	480	9	433	159.00	15.44	17.00	2.38

20 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
320F120N88M4Y	224.00	120	480	8	269	87.38	4.31	19.00	2.50
320F120N95M4Y	224.00	120	480	8	269	92.38	11.31	19.00	2.50
320F120N100G4S	225.00	120	480	10	271	98.88	11.31	19.00	2.50
320F126N88M4Y	235.00	126	480	6	283	87.38	4.31	19.00	2.50
320F126N95M4Y	235.00	126	480	6	283	92.38	11.31	19.00	2.50
320F126N100G4S	236.00	126	480	7	284	98.88	11.31	19.00	2.50
320F132N88M4Y	246.00	132	480	11	296	87.38	4.31	19.00	2.50
320F132N95M4Y	246.00	132	480	11	296	92.38	11.31	19.00	2.50
320F132N100G4S	247.50	132	480	11	298	98.88	11.31	19.00	2.50

300# Flanged Immersion Heaters - Type IF

320F120N106M4Y	252.00	120	480	8	303	104.88	11.31	19.00	2.50
320F126N106M4Y	264.50	126	480	7	318	104.88	11.31	19.00	2.50
320F144N88M4Y	268.50	144	480	8	323	87.38	4.31	19.00	2.50
320F144N95M4Y	268.50	144	480	8	323	92.38	11.31	19.00	2.50
320F144N100G4S	270.00	144	480	8	325	98.88	11.31	19.00	2.50
320F132N106M4Y	277.00	132	480	11	333	104.88	11.31	19.00	2.50
320F120N120G4S	285.00	120	480	10	343	118.88	11.31	19.00	2.50
320F162N88M4Y	302.00	162	480	9	363	87.38	4.31	19.00	2.50
320F162N95M4Y	302.00	162	480	9	363	92.38	11.31	19.00	2.50
320F144N106M4Y	302.00	144	480	8	363	104.88	11.31	19.00	2.50
320F162N100G4S	303.50	162	480	9	365	98.88	11.31	19.00	2.50
320F120N120M4Y	312.00	120	480	8	375	118.88	11.31	19.00	2.50
320F132N120G4S	313.50	132	480	11	377	118.88	11.31	19.00	2.50
320F126N120M4Y	327.50	126	480	14	394	118.88	11.31	19.00	2.50
320F120N140G4S	330.00	120	480	10	397	138.88	15.31	19.00	2.50
320F180N88M4Y	336.00	180	480	10	404	87.38	4.31	19.00	2.50
320F180N95M4Y	336.00	180	480	10	404	92.38	11.31	19.00	2.50
320F180N100G4S	337.50	180	480	10	406	98.88	11.31	19.00	2.50
320F162N106M4Y	340.00	162	480	9	409	104.88	11.31	19.00	2.50
320F144N120G4S	342.00	144	480	12	411	118.88	11.31	19.00	2.50
320F132N120M4Y	343.00	132	480	11	413	118.88	11.31	19.00	2.50
320F120N140M4Y	350.00	120	480	10	421	138.88	15.31	19.00	2.50
320F132N140G4S	363.00	132	480	11	437	138.88	15.31	19.00	2.50
320F126N140M4Y	367.50	126	480	14	442	138.88	15.31	19.00	2.50
320F144N120M4Y	374.00	144	480	12	450	118.88	11.31	19.00	2.50
320F180N106M4Y	378.00	180	480	10	455	104.88	11.31	19.00	2.50
320F132N140M4Y	385.00	132	480	11	463	138.88	15.31	19.00	2.50
320F120N160G4S	390.00	120	480	10	469	158.88	15.31	19.00	2.50
320F144N140G4S	396.00	144	480	12	476	138.88	15.31	19.00	2.50
320F120N160M4Y	400.00	120	480	10	481	158.88	15.31	19.00	2.50
320F144N140M4Y	420.00	144	480	12	505	138.88	15.31	19.00	2.50
320F126N160M4Y	420.00	126	480	14	505	158.88	15.31	19.00	2.50
320F162N120M4Y	421.00	162	480	18	506	118.88	11.31	19.00	2.50
320F180N120G4S	427.50	180	480	12	514	118.88	11.31	19.00	2.50
320F132N160G4S	429.00	132	480	11	516	158.88	15.31	19.00	2.50
320F132N160M4Y	440.00	132	480	11	529	158.88	15.31	19.00	2.50
320F180N120M4Y	468.00	180	480	12	563	118.88	11.31	19.00	2.50
320F144N160G4S	468.00	144	480	12	563	158.88	15.31	19.00	2.50
320F162N140M4Y	472.50	162	480	18	568	138.88	15.31	19.00	2.50
320F144N160M4Y	480.00	144	480	12	577	158.88	15.31	19.00	2.50
320F180N140G4S	495.00	180	480	15	595	138.88	15.31	19.00	2.50
320F180N140M4Y	525.00	180	480	15	631	138.88	15.31	19.00	2.50
320F162N160M4Y	540.00	162	480	18	650	158.88	15.31	19.00	2.50
320F180N160G4S	585.00	180	480	15	704	158.88	15.31	19.00	2.50
320F180N160M4Y	600.00	180	480	15	722	158.88	15.31	19.00	2.50

24 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
324F192N88M4Y	358.00	192	480	16	431	87.13	4.06	23.00	2.75
324F192N95M4Y	358.00	192	480	16	431	92.13	11.06	23.00	2.75
324F192N100G4S	360.00	192	480	16	433	98.63	11.06	23.00	2.75
324F216N88M4Y	403.00	216	480	12	485	87.13	4.06	23.00	2.75
324F216N95M4Y	403.00	216	480	12	485	92.13	11.06	23.00	2.75
324F192N106M4Y	403.00	192	480	16	485	104.63	11.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

324F216N100G4S	405.00	216	480	12	487	98.63	11.06	23.00	2.75
324F234N88M4Y	436.50	234	480	13	525	87.13	4.06	23.00	2.75
324F234N95M4Y	436.50	234	480	13	525	92.13	11.06	23.00	2.75
324F234N100G4S	438.50	234	480	13	527	98.63	11.06	23.00	2.75
324F240N88M4Y	448.00	240	480	16	539	87.13	4.06	23.00	2.75
324F240N95M4Y	448.00	240	480	16	539	92.13	11.06	23.00	2.75
324F240N100G4S	450.00	240	480	20	541	98.63	11.06	23.00	2.75
324F216N106M4Y	453.50	216	480	12	545	104.63	11.06	23.00	2.75
324F192N120G4S	456.00	192	480	16	548	118.63	11.06	23.00	2.75
324F234N106M4Y	491.00	234	480	13	591	104.63	11.06	23.00	2.75
324F192N120M4Y	499.00	192	480	16	600	118.63	11.06	23.00	2.75
324F240N106M4Y	504.00	240	480	16	606	104.63	11.06	23.00	2.75
324F216N120G4S	513.00	216	480	18	617	118.63	11.06	23.00	2.75
324F192N140G4S	528.00	192	480	16	635	138.63	15.06	23.00	2.75
324F192N140M4Y	560.00	192	480	16	674	138.63	15.06	23.00	2.75
324F216N120M4Y	562.00	216	480	18	676	118.63	11.06	23.00	2.75
324F240N120G4S	570.00	240	480	20	686	118.63	11.06	23.00	2.75
324F216N140G4S	594.00	216	480	18	714	138.63	15.06	23.00	2.75
324F234N120M4Y	608.00	234	480	26	731	118.63	11.06	23.00	2.75
324F240N120M4Y	624.00	240	480	16	751	118.63	11.06	23.00	2.75
324F192N160G4S	624.00	192	480	16	751	158.63	15.06	23.00	2.75
324F216N140M4Y	630.00	216	480	18	758	138.63	15.06	23.00	2.75
324F192N160M4Y	640.00	192	480	16	770	158.63	15.06	23.00	2.75
324F240N140G4S	660.00	240	480	20	794	138.63	15.06	23.00	2.75
324F234N140M4Y	683.00	234	480	26	822	138.63	15.06	23.00	2.75
324F240N140M4Y	700.00	240	480	20	842	138.63	15.06	23.00	2.75
324F216N160G4S	702.00	216	480	18	844	158.63	15.06	23.00	2.75
324F216N160M4Y	720.00	216	480	18	866	158.63	15.06	23.00	2.75
324F234N160M4Y	780.00	234	480	26	938	158.63	15.06	23.00	2.75
324F240N160G4S	780.00	240	480	20	938	158.63	15.06	23.00	2.75
324F240N160M4Y	800.00	240	480	20	962	158.63	15.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

6 Watts/Sq. Inch

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
34F6N10M2S	0.75	6	240	1	2	10.13	3.56	3.83	1.25
34F6N13M4S	1.13	6	480	1	1	13.13	3.56	3.83	1.25
34F6N13M2S	1.13	6	120	1	5	13.13	3.56	3.83	1.25
34F6N13M1S	1.13	6	120	1	5	13.13	3.56	3.83	1.25
34F6N18M4S	1.50	6	480	1	2	17.63	3.56	3.83	1.25
34F6N18M2S	1.50	6	240	1	4	17.63	3.56	3.83	1.25
34F6N20M2S	1.88	6	240	1	5	19.63	3.56	3.83	1.25
34F6N20M4S	1.88	6	480	1	2	20.13	3.56	3.83	1.25
34F6N25M4S	2.25	6	480	1	3	25.13	3.56	3.83	1.25
34F6N25M1S	2.25	6	120	1	11	25.13	3.56	3.83	1.25
34F6N25M2S	2.25	6	240	1	5	25.13	3.56	3.83	1.25
34F6N33M4S	3.00	6	480	1	4	32.63	3.56	3.83	1.25
34F6N40M2S	3.75	6	240	1	9	40.13	3.56	3.83	1.25
34F6N40M4S	3.75	6	480	1	5	40.13	3.56	3.83	1.25
34F6N48M4S	4.50	6	480	1	5	47.63	3.56	3.83	1.25
34F6N52M2S	5.00	6	240	1	12	51.63	5.56	3.83	1.25
34F6N52M4S	5.00	6	480	1	6	51.63	5.56	3.83	1.25
34F6N59M4S	5.00	6	480	1	6	57.63	12.56	3.83	1.25
34F6N64M4S	6.38	6	480	1	8	64.13	5.56	3.83	1.25
34F6N64M2S	6.38	6	240	1	15	64.13	5.56	3.83	1.25
34F6N73M4S	6.38	6	480	1	8	71.63	16.56	3.83	1.25
34F6N77M2S	7.50	6	240	1	18	76.63	5.56	3.83	1.25
34F6N77M4S	7.50	6	480	1	9	76.63	5.56	3.83	1.25
34F6N88M4S	8.38	6	480	1	10	88.63	5.56	3.83	1.25
34F6N95M4S	8.38	6	480	1	10	93.63	12.56	3.83	1.25
34F6N106M4S	9.38	6	480	1	11	106.13	12.56	3.83	1.25
34F6N120M4S	11.50	6	480	1	14	120.13	12.56	3.83	1.25
34F6N140M4S	13.00	6	480	1	16	140.13	16.56	3.83	1.25
34F6N160M4S	15.00	6	480	1	18	160.13	16.56	3.83	1.25

6 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
36F12N10M2S	1.50	12	240	1	4	9.94	3.38	5.76	1.44
36F12N13M4S	2.25	12	480	1	3	12.94	3.38	5.76	1.44
36F12N18M2S	3.00	12	240	1	7	17.44	3.38	5.76	1.44
36F12N18M4S	3.00	12	480	1	4	17.44	3.38	5.76	1.44
36F12N20M2S	3.75	12	240	1	9	19.44	3.38	5.76	1.44
36F12N20M4S	3.75	12	480	1	5	19.94	3.38	5.76	1.44
36F12N25M4S	4.50	12	480	1	5	24.94	3.38	5.76	1.44
36F12N25M2S	4.50	12	240	1	11	24.94	3.38	5.76	1.44
36F12N33M4S	6.00	12	480	1	7	32.44	3.38	5.76	1.44
36F12N40M4S	7.50	12	480	1	9	39.94	3.38	5.76	1.44
36F12N40M2S	7.50	12	240	1	18	39.94	3.38	5.76	1.44
36F12N48M4S	9.00	12	480	1	11	47.44	3.38	5.76	1.44
36F12N52M2S	10.00	12	240	1	24	51.44	5.38	5.76	1.44
36F12N52M4S	10.00	12	480	1	12	51.44	5.38	5.76	1.44
36F12N59M4S	10.00	12	480	1	12	57.44	12.38	5.76	1.44
36F12N64M2S	12.75	12	240	1	31	63.94	5.38	5.76	1.44
36F12N64M4S	12.75	12	480	1	15	63.94	5.38	5.76	1.44
36F12N73M4S	12.75	12	480	1	15	71.44	16.38	5.76	1.44

300# Flanged Immersion Heaters - Type IF

36F12N77M4S	15.00	12	480	1	18	76.44	5.38	5.76	1.44
36F12N77M2S	15.00	12	240	1	36	76.44	5.38	5.76	1.44
36F12N88M4S	16.75	12	480	1	20	88.44	5.38	5.76	1.44
36F12N95M4S	16.75	12	480	1	20	93.44	12.38	5.76	1.44
36F12N106M4S	18.75	12	480	1	23	105.94	12.38	5.76	1.44
36F12N120M4S	23.25	12	480	1	28	119.94	12.38	5.76	1.44
36F12N140M4S	26.25	12	480	1	32	139.94	16.38	5.76	1.44
36F12N160M4S	30.00	12	480	1	36	159.94	16.38	5.76	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
38F18N13M4S	3.38	18	480	1	4	12.75	3.19	7.63	1.63
38F24N13M4S	4.50	24	480	1	5	12.75	3.19	7.63	1.63
38F18N18M4S	4.50	18	480	1	5	17.25	3.19	7.63	1.63
38F18N20M4S	5.63	18	480	1	7	19.75	3.19	7.63	1.63
38F24N18M4S	6.00	24	480	1	7	17.25	3.19	7.63	1.63
38F18N25M4S	6.75	18	480	1	8	24.75	3.19	7.63	1.63
38F24N20M4S	7.50	24	480	1	9	19.75	3.19	7.63	1.63
38F24N25M4S	9.00	24	480	1	11	24.75	3.19	7.63	1.63
38F18N33M4S	9.00	18	480	1	11	32.25	3.19	7.63	1.63
38F18N40M4S	11.25	18	480	1	14	39.75	3.19	7.63	1.63
38F24N33M4S	12.00	24	480	1	14	32.25	3.19	7.63	1.63
38F18N48M4S	13.50	18	480	1	16	47.25	3.19	7.63	1.63
38F24N40M4S	15.00	24	480	1	18	39.75	3.19	7.63	1.63
38F18N52M4S	15.00	18	480	1	18	51.25	5.19	7.63	1.63
38F18N59M4S	15.00	18	480	1	18	57.25	12.19	7.63	1.63
38F24N48M4S	18.00	24	480	1	22	47.25	3.19	7.63	1.63
38F18N64M4S	19.00	18	480	1	23	63.75	5.19	7.63	1.63
38F18N73M4S	19.00	18	480	1	23	71.25	16.19	7.63	1.63
38F24N52M4S	20.00	24	480	1	24	51.25	5.19	7.63	1.63
38F24N59M4S	20.00	24	480	1	24	57.25	12.19	7.63	1.63
38F18N77M4S	22.50	18	480	1	27	76.25	5.19	7.63	1.63
38F18N88M4S	25.00	18	480	1	30	88.25	5.19	7.63	1.63
38F18N95M4S	25.00	18	480	1	30	93.25	12.19	7.63	1.63
38F24N64M4S	25.50	24	480	1	31	63.75	5.19	7.63	1.63
38F24N73M4S	25.50	24	480	1	31	71.25	16.19	7.63	1.63
38F18N106M4S	28.25	18	480	1	34	105.75	12.19	7.63	1.63
38F24N77M4S	30.00	24	480	1	36	76.25	5.19	7.63	1.63
38F24N88M4S	33.50	24	480	1	40	88.25	5.19	7.63	1.63
38F24N95M4S	33.50	24	480	1	40	93.25	12.19	7.63	1.63
38F18N120M4S	35.00	18	480	1	42	119.75	12.19	7.63	1.63
38F24N106M4S	37.75	24	480	1	45	105.75	12.19	7.63	1.63
38F18N140M4S	39.25	18	480	1	47	139.75	16.19	7.63	1.63
38F24N120M4S	46.75	24	480	2	56	119.75	12.19	7.63	1.63
38F24N140M4S	52.50	24	480	2	63	139.75	16.19	7.63	1.63
38F24N160M4S	60.00	24	480	2	72	159.75	16.19	7.63	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
310F30N13M4S	5.63	30	480	1	7	12.50	2.94	9.75	1.88
310F36N13M4S	6.75	36	480	1	8	12.50	2.94	9.75	1.88
310F30N18M4S	7.50	30	480	1	9	17.00	2.94	9.75	1.88
310F36N18M4S	9.00	36	480	1	11	17.00	2.94	9.75	1.88
310F30N20M4S	9.38	30	480	1	11	19.50	2.94	9.75	1.88

300# Flanged Immersion Heaters - Type IF

310F36N20M4S	11.25	36	480	1	14	19.50	2.94	9.75	1.88
310F30N25M4S	11.25	30	480	1	14	24.50	2.94	9.75	1.88
310F36N25M4S	13.50	36	480	1	16	24.50	2.94	9.75	1.88
310F30N33M4S	15.00	30	480	1	18	32.00	2.94	9.75	1.88
310F36N33M4S	18.00	36	480	1	22	32.00	2.94	9.75	1.88
310F30N40M4S	18.75	30	480	1	23	39.50	2.94	9.75	1.88
310F36N40M4S	22.50	36	480	1	27	39.50	2.94	9.75	1.88
310F30N48M4S	22.50	30	480	1	27	47.00	2.94	9.75	1.88
310F30N52M4S	25.00	30	480	1	30	51.00	4.94	9.75	1.88
310F30N59M4S	25.00	30	480	1	30	57.00	11.94	9.75	1.88
310F36N48M4S	27.00	36	480	1	32	47.00	2.94	9.75	1.88
310F36N52M4S	30.00	36	480	1	36	51.00	4.94	9.75	1.88
310F36N59M4S	30.00	36	480	1	36	57.00	11.94	9.75	1.88
310F30N64M4S	31.75	30	480	1	38	63.50	4.94	9.75	1.88
310F30N73M4S	31.75	30	480	1	38	71.00	15.94	9.75	1.88
310F30N77M4S	37.50	30	480	1	45	76.00	4.94	9.75	1.88
310F36N64M4S	38.25	36	480	1	46	63.50	4.94	9.75	1.88
310F36N73M4S	38.25	36	480	1	46	71.00	15.94	9.75	1.88
310F36N77M4S	45.00	36	480	2	54	76.00	4.94	9.75	1.88
310F36N88M4S	50.25	36	480	2	60	88.00	4.94	9.75	1.88
310F36N95M4S	50.25	36	480	2	60	93.00	11.94	9.75	1.88
310F36N106M4S	56.50	36	480	2	68	105.50	11.94	9.75	1.88
310F36N120M4S	70.00	36	480	2	84	119.50	11.94	9.75	1.88
310F36N140M4S	78.75	36	480	2	95	139.50	15.94	9.75	1.88
310F36N160M4S	90.00	36	480	3	108	159.50	15.94	9.75	1.88

12 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
312F48N40M4S	30.00	48	480	1	36	39.38	2.81	11.75	2.00
312F48N48M4S	36.00	48	480	1	43	46.88	2.81	11.75	2.00
312F48N52M4S	40.00	48	480	1	48	50.88	4.81	11.75	2.00
312F48N59M4S	40.00	48	480	1	48	56.88	11.81	11.75	2.00
312F48N64M4S	51.00	48	480	2	61	63.38	4.81	11.75	2.00
312F48N73M4S	51.00	48	480	2	61	70.88	15.81	11.75	2.00
312F48N77M4S	60.00	48	480	2	72	75.88	4.81	11.75	2.00
312F48N88M4S	67.00	48	480	2	81	87.88	4.81	11.75	2.00
312F48N95M4S	67.00	48	480	2	81	92.88	11.81	11.75	2.00
312F54N88M4S	75.50	54	480	3	91	87.88	4.81	11.75	2.00
312F54N95M4S	75.50	54	480	3	91	92.88	11.81	11.75	2.00
312F48N106M4S	75.50	48	480	2	91	105.38	11.81	11.75	2.00
312F54N106M4S	85.00	54	480	3	102	105.38	11.81	11.75	2.00
312F48N120M4S	93.50	48	480	4	112	119.38	11.81	11.75	2.00
312F54N120M4S	105.00	54	480	3	126	119.38	11.81	11.75	2.00
312F48N140M4S	105.00	48	480	4	126	139.38	15.81	11.75	2.00
312F54N140M4S	118.00	54	480	3	142	139.38	15.81	11.75	2.00
312F48N160M4S	120.00	48	480	4	144	159.38	15.81	11.75	2.00

14 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
314F54N88M4S	75.50	54	480	3	91	87.75	4.69	13.00	2.13
314F54N95M4S	75.50	54	480	3	91	92.75	11.69	13.00	2.13
314F54N106M4S	85.00	54	480	3	102	105.25	11.69	13.00	2.13
314F72N88M4S	100.50	72	480	3	121	87.75	4.69	13.00	2.13
314F72N95M4S	100.50	72	480	3	121	92.75	11.69	13.00	2.13

300# Flanged Immersion Heaters - Type IF

314F54N120M4S	105.00	54	480	3	126	119.25	11.69	13.00	2.13
314F72N106M4S	113.00	72	480	3	136	105.25	11.69	13.00	2.13
314F60N120M4S	117.00	60	480	5	141	119.25	11.69	13.00	2.13
314F54N140M4S	118.00	54	480	3	142	139.25	15.69	13.00	2.13
314F60N140M4S	131.00	60	480	5	158	139.25	15.69	13.00	2.13
314F72N120M4S	140.00	72	480	4	168	119.25	11.69	13.00	2.13
314F60N160M4S	150.00	60	480	5	180	159.25	15.69	13.00	2.13
314F72N140M4S	157.50	72	480	4	189	139.25	15.69	13.00	2.13
314F72N160M4S	180.00	72	480	6	217	159.25	15.69	13.00	2.13

16 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
316F90N88M4S	126.00	90	480	5	152	87.63	4.56	15.00	2.25
316F90N95M4S	126.00	90	480	5	152	92.63	11.56	15.00	2.25
316F96N88M4S	134.00	96	480	4	161	87.63	4.56	15.00	2.25
316F96N95M4S	134.00	96	480	4	161	92.63	11.56	15.00	2.25
316F90N106M4S	141.50	90	480	5	170	105.13	11.56	15.00	2.25
316F96N106M4S	151.00	96	480	4	182	105.13	11.56	15.00	2.25
316F84N120M4S	163.50	84	480	7	197	119.13	11.56	15.00	2.25
316F90N120M4S	175.50	90	480	5	211	119.13	11.56	15.00	2.25
316F84N140M4S	183.50	84	480	7	221	139.13	15.56	15.00	2.25
316F96N120M4S	187.00	96	480	8	225	119.13	11.56	15.00	2.25
316F90N140M4S	196.50	90	480	5	236	139.13	15.56	15.00	2.25
316F96N140M4S	210.00	96	480	8	253	139.13	15.56	15.00	2.25
316F84N160M4S	210.00	84	480	7	253	159.13	15.56	15.00	2.25
316F96N160M4S	240.00	96	480	8	289	159.13	15.56	15.00	2.25

18 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
318F108N88M4S	151.00	108	480	6	182	87.50	4.44	17.00	2.38
318F108N95M4S	151.00	108	480	6	182	92.50	11.44	17.00	2.38
318F108N106M4S	170.00	108	480	6	204	105.00	11.44	17.00	2.38
318F108N120M4S	210.50	108	480	6	253	119.00	11.44	17.00	2.38
318F108N140M4S	236.00	108	480	6	284	139.00	15.44	17.00	2.38
318F108N160M4S	270.00	108	480	9	325	159.00	15.44	17.00	2.38

20 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
320F120N88M4S	168.00	120	480	5	202	87.38	4.31	19.00	2.50
320F120N95M4S	168.00	120	480	5	202	92.38	11.31	19.00	2.50
320F126N88M4S	176.00	126	480	7	212	87.38	4.31	19.00	2.50
320F126N95M4S	176.00	126	480	7	212	92.38	11.31	19.00	2.50
320F120N106M4S	189.00	120	480	5	227	104.88	11.31	19.00	2.50
320F126N106M4S	198.00	126	480	7	238	104.88	11.31	19.00	2.50
320F144N88M4S	201.50	144	480	6	242	87.38	4.31	19.00	2.50
320F144N95M4S	201.50	144	480	6	242	92.38	11.31	19.00	2.50
320F162N88M4S	226.50	162	480	9	272	87.38	4.31	19.00	2.50
320F162N95M4S	226.50	162	480	9	272	92.38	11.31	19.00	2.50
320F144N106M4S	226.50	144	480	6	272	104.88	11.31	19.00	2.50
320F120N120M4S	234.00	120	480	10	281	118.88	11.31	19.00	2.50
320F126N120M4S	245.50	126	480	7	295	118.88	11.31	19.00	2.50
320F180N88M4S	252.00	180	480	10	303	87.38	4.31	19.00	2.50
320F180N95M4S	252.00	180	480	10	303	92.38	11.31	19.00	2.50
320F162N106M4S	255.00	162	480	9	307	104.88	11.31	19.00	2.50

300# Flanged Immersion Heaters - Type IF

320F132N120M4S	257.00	132	480	11	309	118.88	11.31	19.00	2.50
320F120N140M4S	262.50	120	480	10	316	138.88	15.31	19.00	2.50
320F126N140M4S	275.50	126	480	7	331	138.88	15.31	19.00	2.50
320F144N120M4S	280.50	144	480	8	337	118.88	11.31	19.00	2.50
320F180N106M4S	283.50	180	480	10	341	104.88	11.31	19.00	2.50
320F132N140M4S	288.50	132	480	11	347	138.88	15.31	19.00	2.50
320F120N160M4S	300.00	120	480	10	361	158.88	15.31	19.00	2.50
320F144N140M4S	315.00	144	480	8	379	138.88	15.31	19.00	2.50
320F162N120M4S	315.50	162	480	9	379	118.88	11.31	19.00	2.50
320F132N160M4S	330.00	132	480	11	397	158.88	15.31	19.00	2.50
320F180N120M4S	351.00	180	480	10	422	118.88	11.31	19.00	2.50
320F162N140M4S	354.00	162	480	9	426	138.88	15.31	19.00	2.50
320F144N160M4S	360.00	144	480	12	433	158.88	15.31	19.00	2.50
320F180N140M4S	393.50	180	480	10	473	138.88	15.31	19.00	2.50
320F180N160M4S	450.00	180	480	12	541	158.88	15.31	19.00	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
324F192N88M4S	268.50	192	480	8	323	87.13	4.06	23.00	2.75
324F192N95M4S	268.50	192	480	8	323	92.13	11.06	23.00	2.75
324F216N88M4S	302.00	216	480	9	363	87.13	4.06	23.00	2.75
324F216N95M4S	302.00	216	480	9	363	92.13	11.06	23.00	2.75
324F192N106M4S	302.00	192	480	8	363	104.63	11.06	23.00	2.75
324F234N88M4S	327.50	234	480	13	394	87.13	4.06	23.00	2.75
324F234N95M4S	327.50	234	480	13	394	92.13	11.06	23.00	2.75
324F240N88M4S	336.00	240	480	10	404	87.13	4.06	23.00	2.75
324F240N95M4S	336.00	240	480	10	404	92.13	11.06	23.00	2.75
324F216N106M4S	340.00	216	480	12	409	104.63	11.06	23.00	2.75
324F234N106M4S	368.50	234	480	13	443	104.63	11.06	23.00	2.75
324F192N120M4S	374.00	192	480	16	450	118.63	11.06	23.00	2.75
324F240N106M4S	378.00	240	480	10	455	104.63	11.06	23.00	2.75
324F192N140M4S	420.00	192	480	16	505	138.63	15.06	23.00	2.75
324F216N120M4S	421.00	216	480	12	506	118.63	11.06	23.00	2.75
324F234N120M4S	456.00	234	480	13	548	118.63	11.06	23.00	2.75
324F240N120M4S	468.00	240	480	20	563	118.63	11.06	23.00	2.75
324F216N140M4S	472.50	216	480	12	568	138.63	15.06	23.00	2.75
324F192N160M4S	480.00	192	480	16	577	158.63	15.06	23.00	2.75
324F234N140M4S	512.00	234	480	13	616	138.63	15.06	23.00	2.75
324F240N140M4S	525.00	240	480	20	631	138.63	15.06	23.00	2.75
324F216N160M4S	540.00	216	480	18	650	158.63	15.06	23.00	2.75
324F240N160M4S	600.00	240	480	20	722	158.63	15.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

5 Watts/Sq. Inch

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
34F6N18B4Z	1.25	6	480	1	2	17.63	3.56	3.83	1.25
34F6N20B4Z	1.38	6	480	1	2	19.63	3.56	3.83	1.25
34F6N25B4Z	1.88	6	480	1	2	25.13	3.56	3.83	1.25
34F6N25B2Z	1.88	6	240	1	5	25.13	3.56	3.83	1.25
34F6N33B2Z	2.50	6	240	1	6	32.63	3.56	3.83	1.25
34F6N33B4Z	2.50	6	480	1	3	32.63	3.56	3.83	1.25
34F6N38B4Z	3.00	6	480	1	4	38.13	5.56	3.83	1.25
34F6N36B4Z	3.13	6	480	1	4	35.63	3.56	3.83	1.25
34F6N43B4Z	3.25	6	480	1	4	42.63	5.56	3.83	1.25
34F6N52B2Z	4.13	6	240	1	10	51.63	5.56	3.83	1.25
34F6N52B4Z	4.13	6	480	1	5	51.63	5.56	3.83	1.25
34F6N57B4Z	4.13	6	480	1	5	56.63	10.56	3.83	1.25
34F6N61B4Z	5.00	6	480	1	6	61.13	5.56	3.83	1.25
34F6N68B4Z	5.00	6	480	1	6	68.13	12.56	3.83	1.25
34F6N88B4Z	7.38	6	480	1	9	88.63	5.56	3.83	1.25
34F6N106B4Z	8.25	6	480	1	10	106.13	12.56	3.83	1.25
34F6N120B4Z	9.50	6	480	1	11	120.13	12.56	3.83	1.25

6 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
36F12N18B4Z	2.50	12	480	1	3	17.44	3.38	5.76	1.44
36F12N20B4Z	2.88	12	480	1	3	19.44	3.38	5.76	1.44
36F12N25B4Z	3.75	12	480	1	5	24.94	3.38	5.76	1.44
36F12N25B2Z	3.75	12	240	1	9	24.94	3.38	5.76	1.44
36F12N33B4Z	5.00	12	480	1	6	32.44	3.38	5.76	1.44
36F12N33B2Z	5.00	12	240	1	12	32.44	3.38	5.76	1.44
36F12N38B4Z	6.00	12	480	1	7	37.94	5.38	5.76	1.44
36F12N36B4Z	6.38	12	480	1	8	35.44	3.38	5.76	1.44
36F12N43B4Z	6.63	12	480	1	8	42.44	5.38	5.76	1.44
36F12N52B2Z	8.25	12	240	1	20	51.44	5.38	5.76	1.44
36F12N52B4Z	8.25	12	480	1	10	51.44	5.38	5.76	1.44
36F12N57B4Z	8.25	12	480	1	10	56.44	10.38	5.76	1.44
36F12N61B4Z	10.00	12	480	1	12	60.94	5.38	5.76	1.44
36F12N68B4Z	10.00	12	480	1	12	67.94	12.38	5.76	1.44
36F12N88B4Z	14.75	12	480	1	18	88.44	5.38	5.76	1.44
36F12N106B4Z	16.50	12	480	1	20	105.94	12.38	5.76	1.44
36F12N120B4Z	19.00	12	480	1	23	119.94	12.38	5.76	1.44

8 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
38F18N18B4Z	3.75	18	480	1	5	17.25	3.19	7.63	1.63
38F18N20B4Z	4.25	18	480	1	5	19.25	3.19	7.63	1.63
38F24N18B4Z	5.00	24	480	1	6	17.25	3.19	7.63	1.63
38F24N20B4Z	5.75	24	480	1	7	19.25	3.19	7.63	1.63
38F18N25B4Z	5.75	18	480	1	7	24.75	3.19	7.63	1.63
38F18N33B4Z	7.50	18	480	1	9	32.25	3.19	7.63	1.63
38F24N25B4Z	7.63	24	480	1	9	24.75	3.19	7.63	1.63
38F18N38B4Z	9.00	18	480	1	11	37.75	5.19	7.63	1.63
38F18N36B4Z	9.63	18	480	1	12	35.25	3.19	7.63	1.63
38F24N33B4Z	10.00	24	480	1	12	32.25	3.19	7.63	1.63

300# Flanged Immersion Heaters - Type IF

38F18N43B4Z	10.00	18	480	1	12	42.25	5.19	7.63	1.63
38F24N38B4Z	12.00	24	480	1	14	37.75	5.19	7.63	1.63
38F18N52B4Z	12.50	18	480	1	15	51.25	5.19	7.63	1.63
38F18N57B4Z	12.50	18	480	1	15	56.25	10.19	7.63	1.63
38F24N36B4Z	12.75	24	480	1	15	35.25	3.19	7.63	1.63
38F24N43B4Z	13.25	24	480	1	16	42.25	5.19	7.63	1.63
38F18N61B4Z	15.00	18	480	1	18	60.75	5.19	7.63	1.63
38F18N68B4Z	15.00	18	480	1	18	67.75	12.19	7.63	1.63
38F24N52B4Z	16.50	24	480	1	20	51.25	5.19	7.63	1.63
38F24N57B4Z	16.50	24	480	1	20	56.25	10.19	7.63	1.63
38F24N61B4Z	20.00	24	480	1	24	60.75	5.19	7.63	1.63
38F24N68B4Z	20.00	24	480	1	24	67.75	12.19	7.63	1.63
38F18N88B4Z	22.00	18	480	1	26	88.25	5.19	7.63	1.63
38F18N106B4Z	25.00	18	480	1	30	105.75	12.19	7.63	1.63
38F18N120B4Z	28.50	18	480	1	34	119.75	12.19	7.63	1.63
38F24N88B4Z	29.50	24	480	1	35	88.25	5.19	7.63	1.63
38F24N106B4Z	33.25	24	480	1	40	105.75	12.19	7.63	1.63
38F24N120B4Z	38.00	24	480	1	46	119.75	12.19	7.63	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
310F30N18B4Z	6.25	30	480	1	8	17.00	2.94	9.75	1.88
310F30N20B4Z	7.25	30	480	1	9	19.00	2.94	9.75	1.88
310F36N18B4Z	7.50	36	480	1	9	17.00	2.94	9.75	1.88
310F36N20B4Z	8.63	36	480	1	10	19.00	2.94	9.75	1.88
310F30N25B4Z	9.63	30	480	1	12	24.50	2.94	9.75	1.88
310F36N25B4Z	11.50	36	480	1	14	24.50	2.94	9.75	1.88
310F30N33B4Z	12.50	30	480	1	15	32.00	2.94	9.75	1.88
310F36N33B4Z	15.00	36	480	1	18	32.00	2.94	9.75	1.88
310F30N38B4Z	15.00	30	480	1	18	37.50	4.94	9.75	1.88
310F30N36B4Z	16.00	30	480	1	19	35.00	2.94	9.75	1.88
310F30N43B4Z	16.50	30	480	1	20	42.00	4.94	9.75	1.88
310F36N38B4Z	18.00	36	480	1	22	37.50	4.94	9.75	1.88
310F36N36B4Z	19.25	36	480	1	23	35.00	2.94	9.75	1.88
310F36N43B4Z	20.00	36	480	1	24	42.00	4.94	9.75	1.88
310F30N52B4Z	20.75	30	480	1	25	51.00	4.94	9.75	1.88
310F30N57B4Z	20.75	30	480	1	25	56.00	9.94	9.75	1.88
310F36N52B4Z	25.00	36	480	1	30	51.00	4.94	9.75	1.88
310F36N57B4Z	25.00	36	480	1	30	56.00	9.94	9.75	1.88
310F30N61B4Z	25.00	30	480	1	30	60.50	4.94	9.75	1.88
310F30N68B4Z	25.00	30	480	1	30	67.50	11.94	9.75	1.88
310F36N61B4Z	30.00	36	480	1	36	60.50	4.94	9.75	1.88
310F36N68B4Z	30.00	36	480	1	36	67.50	11.94	9.75	1.88
310F30N88B4Z	37.00	30	480	1	45	88.00	4.94	9.75	1.88
310F36N88B4Z	44.25	36	480	2	53	88.00	4.94	9.75	1.88
310F36N106B4Z	50.00	36	480	2	60	105.50	11.94	9.75	1.88
310F36N120B4Z	57.00	36	480	2	69	119.50	11.94	9.75	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
312F48N43B4Z	26.50	48	480	1	32	41.88	4.81	11.75	2.00
312F48N52B4Z	33.25	48	480	1	40	50.88	4.81	11.75	2.00
312F48N57B4Z	33.25	48	480	1	40	55.88	9.81	11.75	2.00
312F48N61B4Z	40.00	48	480	1	48	60.38	4.81	11.75	2.00

300# Flanged Immersion Heaters - Type IF

312F48N68B4Z	40.00	48	480	1	48	67.38	11.81	11.75	2.00
312F48N88B4Z	59.00	48	480	2	71	87.88	4.81	11.75	2.00
312F54N88B4Z	66.50	54	480	3	80	87.88	4.81	11.75	2.00
312F48N106B4Z	66.50	48	480	2	80	105.38	11.81	11.75	2.00
312F54N106B4Z	75.00	54	480	3	90	105.38	11.81	11.75	2.00
312F48N120B4Z	76.00	48	480	2	91	119.38	11.81	11.75	2.00
312F54N120B4Z	85.50	54	480	3	103	119.38	11.81	11.75	2.00

14 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
314F54N88B4Z	66.50	54	480	3	80	87.75	4.69	13.00	2.13
314F60N88B4Z	74.00	60	480	2	89	87.75	4.69	13.00	2.13
314F54N106B4Z	75.00	54	480	3	90	105.25	11.69	13.00	2.13
314F54N120B4Z	85.50	54	480	3	103	119.25	11.69	13.00	2.13
314F72N88B4Z	88.75	72	480	3	107	87.75	4.69	13.00	2.13
314F72N106B4Z	100.00	72	480	3	120	105.25	11.69	13.00	2.13
314F72N120B4Z	114.00	72	480	3	137	119.25	11.69	13.00	2.13

16 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
316F90N88B4Z	111.00	90	480	3	134	87.63	4.56	15.00	2.25
316F96N88B4Z	118.00	96	480	4	142	87.63	4.56	15.00	2.25
316F90N106B4Z	125.00	90	480	5	150	105.13	11.56	15.00	2.25
316F96N106B4Z	133.00	96	480	4	160	105.13	11.56	15.00	2.25
316F90N120B4Z	142.50	90	480	5	171	119.13	11.56	15.00	2.25
316F96N120B4Z	152.00	96	480	4	183	119.13	11.56	15.00	2.25

18 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
318F108N88B4Z	133.00	108	480	6	160	87.50	4.44	17.00	2.38
318F108N106B4Z	150.00	108	480	6	180	105.00	11.44	17.00	2.38
318F108N120B4Z	171.00	108	480	6	206	119.00	11.44	17.00	2.38

20 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
320F120N88B4Z	148.00	120	480	4	178	87.38	4.31	19.00	2.50
320F126N88B4Z	155.00	126	480	7	186	87.38	4.31	19.00	2.50
320F120N106B4Z	166.50	120	480	5	200	104.88	11.31	19.00	2.50
320F126N106B4Z	175.00	126	480	7	210	104.88	11.31	19.00	2.50
320F144N88B4Z	177.50	144	480	6	214	87.38	4.31	19.00	2.50
320F120N120B4Z	190.00	120	480	5	229	118.88	11.31	19.00	2.50
320F162N88B4Z	199.50	162	480	9	240	87.38	4.31	19.00	2.50
320F126N120B4Z	199.50	126	480	7	240	118.88	11.31	19.00	2.50
320F144N106B4Z	200.00	144	480	6	241	104.88	11.31	19.00	2.50
320F180N88B4Z	222.00	180	480	6	267	87.38	4.31	19.00	2.50
320F162N106B4Z	225.00	162	480	9	271	104.88	11.31	19.00	2.50
320F144N120B4Z	228.00	144	480	6	274	118.88	11.31	19.00	2.50
320F180N106B4Z	250.00	180	480	10	301	104.88	11.31	19.00	2.50
320F162N120B4Z	256.50	162	480	9	309	118.88	11.31	19.00	2.50
320F180N120B4Z	285.00	180	480	10	343	118.88	11.31	19.00	2.50

24 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
324F192N88B4Z	236.50	192	480	8	284	87.13	4.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

324F216N88B4Z	266.00	216	480	9	320	87.13	4.06	23.00	2.75
324F192N106B4Z	266.50	192	480	8	321	104.63	11.06	23.00	2.75
324F234N88B4Z	288.50	234	480	13	347	87.13	4.06	23.00	2.75
324F240N88B4Z	296.00	240	480	8	356	87.13	4.06	23.00	2.75
324F216N106B4Z	300.00	216	480	9	361	104.63	11.06	23.00	2.75
324F192N120B4Z	304.00	192	480	8	366	118.63	11.06	23.00	2.75
324F234N106B4Z	325.00	234	480	13	391	104.63	11.06	23.00	2.75
324F240N106B4Z	333.00	240	480	10	401	104.63	11.06	23.00	2.75
324F216N120B4Z	342.00	216	480	12	411	118.63	11.06	23.00	2.75
324F234N120B4Z	370.50	234	480	13	446	118.63	11.06	23.00	2.75
324F240N120B4Z	380.00	240	480	10	457	118.63	11.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

4 Watts/Sq. Inch

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
34F6N10H4Z	0.50	6	480	1	1	10.13	3.56	3.83	1.25
34F6N18H4Z	1.00	6	480	1	1	17.63	3.56	3.83	1.25
34F6N18H2Z	1.00	6	240	1	2	17.63	3.56	3.83	1.25
34F6N20H4Z	1.25	6	480	1	2	19.63	3.56	3.83	1.25
34F6N20H2Z	1.25	6	240	1	3	19.63	3.56	3.83	1.25
34F6N25H2Z	1.50	6	240	1	4	25.13	3.56	3.83	1.25
34F6N25H4Z	1.50	6	480	1	2	25.13	3.56	3.83	1.25
34F6N33H2Z	2.00	6	240	1	5	32.63	3.56	3.83	1.25
34F6N33H4Z	2.00	6	480	1	2	32.63	3.56	3.83	1.25
34F6N40H4Z	2.50	6	480	1	3	40.13	3.56	3.83	1.25
34F6N40H2Z	2.50	6	240	1	6	40.13	3.56	3.83	1.25
34F6N48H4Z	3.00	6	480	1	4	47.63	3.56	3.83	1.25
34F6N52H4Z	3.00	6	480	1	4	51.63	5.56	3.83	1.25
34F6N61H4Z	4.13	6	480	1	5	61.13	5.56	3.83	1.25
34F6N68H4Z	4.13	6	480	1	5	68.13	12.56	3.83	1.25
34F6N80H4Z	5.50	6	480	1	7	78.63	10.56	3.83	1.25
34F6N88H4Z	6.25	6	480	1	8	88.63	5.56	3.83	1.25
34F6N95H4Z	6.25	6	480	1	8	95.63	12.56	3.83	1.25
34F6N120H4Z	7.50	6	480	1	9	120.13	14.06	3.83	1.25
34F6N140H4Z	8.75	6	480	1	11	140.13	16.56	3.83	1.25
34F6N160H4Z	10.00	6	480	1	12	160.13	16.56	3.83	1.25

6 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
36F12N10H4Z	1.00	12	480	1	1	9.94	3.38	5.76	1.44
36F12N18H4Z	2.00	12	480	1	2	17.44	3.38	5.76	1.44
36F12N18H2Z	2.00	12	240	1	5	17.44	3.38	5.76	1.44
36F12N20H2Z	2.50	12	240	1	6	19.44	3.38	5.76	1.44
36F12N20H4Z	2.50	12	480	1	3	19.44	3.38	5.76	1.44
36F12N25H4Z	3.00	12	480	1	4	24.94	3.38	5.76	1.44
36F12N25H2Z	3.00	12	240	1	7	24.94	3.38	5.76	1.44
36F12N33H2Z	4.00	12	240	1	10	32.44	3.38	5.76	1.44
36F12N33H4Z	4.00	12	480	1	5	32.44	3.38	5.76	1.44
36F12N40H4Z	5.00	12	480	1	6	39.94	3.38	5.76	1.44
36F12N40H2Z	5.00	12	240	1	12	39.94	3.38	5.76	1.44
36F12N48H4Z	6.00	12	480	1	7	47.44	3.38	5.76	1.44
36F12N52H4Z	6.00	12	480	1	7	51.44	5.38	5.76	1.44
36F12N61H4Z	8.25	12	480	1	10	60.94	5.38	5.76	1.44
36F12N68H4Z	8.25	12	480	1	10	67.94	12.38	5.76	1.44
36F12N80H4Z	11.00	12	480	1	13	78.44	10.38	5.76	1.44
36F12N88H4Z	12.50	12	480	1	15	88.44	5.38	5.76	1.44
36F12N95H4Z	12.50	12	480	1	15	95.44	12.38	5.76	1.44
36F12N120H4Z	15.00	12	480	1	18	119.94	13.88	5.76	1.44
36F12N140H4Z	17.50	12	480	1	21	139.94	16.38	5.76	1.44
36F12N160H4Z	20.00	12	480	1	24	159.94	16.38	5.76	1.44

8 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
38F18N10H4Z	1.50	18	480	1	2	9.75	3.19	7.63	1.63
38F24N10H4Z	2.00	24	480	1	2	9.75	3.19	7.63	1.63

300# Flanged Immersion Heaters - Type IF

38F18N18H4Z	3.00	18	480	1	4	17.25	3.19	7.63	1.63
38F18N20H4Z	3.75	18	480	1	5	19.25	3.19	7.63	1.63
38F24N18H4Z	4.00	24	480	1	5	17.25	3.19	7.63	1.63
38F18N25H4Z	4.50	18	480	1	5	24.75	3.19	7.63	1.63
38F24N20H4Z	5.00	24	480	1	6	19.25	3.19	7.63	1.63
38F24N25H4Z	6.00	24	480	1	7	24.75	3.19	7.63	1.63
38F18N33H4Z	6.00	18	480	1	7	32.25	3.19	7.63	1.63
38F18N40H4Z	7.50	18	480	1	9	39.75	3.19	7.63	1.63
38F24N33H4Z	8.00	24	480	1	10	32.25	3.19	7.63	1.63
38F18N48H4Z	9.00	18	480	1	11	47.25	3.19	7.63	1.63
38F18N52H4Z	9.00	18	480	1	11	51.25	5.19	7.63	1.63
38F24N40H4Z	10.00	24	480	1	12	39.75	3.19	7.63	1.63
38F24N48H4Z	12.00	24	480	1	14	47.25	3.19	7.63	1.63
38F24N52H4Z	12.00	24	480	1	14	51.25	5.19	7.63	1.63
38F18N61H4Z	12.50	18	480	1	15	60.75	5.19	7.63	1.63
38F18N68H4Z	12.50	18	480	1	15	67.75	12.19	7.63	1.63
38F24N61H4Z	16.50	24	480	1	20	60.75	5.19	7.63	1.63
38F24N68H4Z	16.50	24	480	1	20	67.75	12.19	7.63	1.63
38F18N80H4Z	16.50	18	480	1	20	78.25	10.19	7.63	1.63
38F18N88H4Z	18.75	18	480	1	23	88.25	5.19	7.63	1.63
38F18N95H4Z	18.75	18	480	1	23	95.25	12.19	7.63	1.63
38F24N80H4Z	22.00	24	480	1	26	78.25	10.19	7.63	1.63
38F18N120H4Z	22.50	18	480	1	27	119.75	13.69	7.63	1.63
38F24N88H4Z	25.00	24	480	1	30	88.25	5.19	7.63	1.63
38F24N95H4Z	25.00	24	480	1	30	95.25	12.19	7.63	1.63
38F18N140H4Z	26.25	18	480	1	32	139.75	16.19	7.63	1.63
38F24N120H4Z	30.00	24	480	1	36	119.75	13.69	7.63	1.63
38F18N160H4Z	30.00	18	480	1	36	159.75	16.19	7.63	1.63
38F24N140H4Z	35.00	24	480	1	42	139.75	16.19	7.63	1.63
38F24N160H4Z	40.00	24	480	1	48	159.75	16.19	7.63	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
310F30N10H4Z	2.50	30	480	1	3	9.50	2.94	9.75	1.88
310F36N10H4Z	3.00	36	480	1	4	9.50	2.94	9.75	1.88
310F30N18H4Z	5.00	30	480	1	6	17.00	2.94	9.75	1.88
310F36N18H4Z	6.00	36	480	1	7	17.00	2.94	9.75	1.88
310F30N20H4Z	6.25	30	480	1	8	19.00	2.94	9.75	1.88
310F36N20H4Z	7.50	36	480	1	9	19.00	2.94	9.75	1.88
310F30N25H4Z	7.50	30	480	1	9	24.50	2.94	9.75	1.88
310F36N25H4Z	9.00	36	480	1	11	24.50	2.94	9.75	1.88
310F30N33H4Z	10.00	30	480	1	12	32.00	2.94	9.75	1.88
310F36N33H4Z	12.00	36	480	1	14	32.00	2.94	9.75	1.88
310F30N40H4Z	12.50	30	480	1	15	39.50	2.94	9.75	1.88
310F36N40H4Z	15.00	36	480	1	18	39.50	2.94	9.75	1.88
310F30N48H4Z	15.00	30	480	1	18	47.00	2.94	9.75	1.88
310F30N52H4Z	15.00	30	480	1	18	51.00	4.94	9.75	1.88
310F36N48H4Z	18.00	36	480	1	22	47.00	2.94	9.75	1.88
310F36N52H4Z	18.00	36	480	1	22	51.00	4.94	9.75	1.88
310F30N61H4Z	20.75	30	480	1	25	60.50	4.94	9.75	1.88
310F30N68H4Z	20.75	30	480	1	25	67.50	11.94	9.75	1.88
310F36N61H4Z	25.00	36	480	1	30	60.50	4.94	9.75	1.88
310F36N68H4Z	25.00	36	480	1	30	67.50	11.94	9.75	1.88
310F30N80H4Z	27.75	30	480	1	33	78.00	9.94	9.75	1.88

300# Flanged Immersion Heaters - Type IF

310F30N88H4Z	31.25	30	480	1	38	88.00	4.94	9.75	1.88
310F30N95H4Z	31.25	30	480	1	38	95.00	11.94	9.75	1.88
310F36N80H4Z	33.25	36	480	1	40	78.00	9.94	9.75	1.88
310F36N88H4Z	37.50	36	480	1	45	88.00	4.94	9.75	1.88
310F36N95H4Z	37.50	36	480	1	45	95.00	11.94	9.75	1.88
310F30N120H4Z	37.50	30	480	1	45	119.50	13.44	9.75	1.88
310F36N120H4Z	45.00	36	480	2	54	119.50	13.44	9.75	1.88
310F36N140H4Z	52.50	36	480	2	63	139.50	15.94	9.75	1.88
310F36N160H4Z	60.00	36	480	2	72	159.50	15.94	9.75	1.88

12 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
312F48N40H4Z	20.00	48	480	1	24	39.38	2.81	11.75	2.00
312F48N48H4Z	24.00	48	480	1	29	46.88	2.81	11.75	2.00
312F48N52H4Z	24.00	48	480	1	29	50.88	4.81	11.75	2.00
312F48N61H4Z	33.25	48	480	1	40	60.38	4.81	11.75	2.00
312F48N68H4Z	33.25	48	480	1	40	67.38	11.81	11.75	2.00
312F48N80H4Z	44.25	48	480	2	53	77.88	9.81	11.75	2.00
312F48N88H4Z	50.00	48	480	2	60	87.88	4.81	11.75	2.00
312F48N95H4Z	50.00	48	480	2	60	94.88	11.81	11.75	2.00
312F48N120H4Z	60.00	48	480	2	72	119.38	13.31	11.75	2.00
312F54N120H4Z	67.50	54	480	3	81	119.38	13.31	11.75	2.00
312F48N140H4Z	70.00	48	480	2	84	139.38	15.81	11.75	2.00
312F54N140H4Z	78.75	54	480	3	95	139.38	15.81	11.75	2.00
312F48N160H4Z	80.00	48	480	2	96	159.38	15.81	11.75	2.00
312F54N160H4Z	90.00	54	480	3	108	159.38	15.81	11.75	2.00

14 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
314F60N80H4Z	55.50	60	480	2	67	77.75	9.69	13.00	2.13
314F60N88H4Z	62.50	60	480	2	75	87.75	4.69	13.00	2.13
314F60N95H4Z	62.50	60	480	2	75	94.75	11.69	13.00	2.13
314F72N80H4Z	66.50	72	480	2	80	77.75	9.69	13.00	2.13
314F54N120H4Z	67.50	54	480	3	81	119.25	13.19	13.00	2.13
314F72N88H4Z	75.00	72	480	2	90	87.75	4.69	13.00	2.13
314F72N95H4Z	75.00	72	480	2	90	94.75	11.69	13.00	2.13
314F60N120H4Z	75.00	60	480	2	90	119.25	13.19	13.00	2.13
314F54N140H4Z	78.75	54	480	3	95	139.25	15.69	13.00	2.13
314F72N120H4Z	90.00	72	480	3	108	119.25	13.19	13.00	2.13
314F54N160H4Z	90.00	54	480	3	108	159.25	15.69	13.00	2.13
314F60N160H4Z	100.00	60	480	5	120	159.25	15.69	13.00	2.13
314F72N140H4Z	105.00	72	480	3	126	139.25	15.69	13.00	2.13
314F72N160H4Z	120.00	72	480	3	144	159.25	15.69	13.00	2.13

16 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
316F84N80H4Z	77.50	84	480	2	93	77.63	9.56	15.00	2.25
316F90N80H4Z	83.25	90	480	3	100	77.63	9.56	15.00	2.25
316F96N80H4Z	88.75	96	480	4	107	77.63	9.56	15.00	2.25
316F90N88H4Z	93.75	90	480	3	113	87.63	4.56	15.00	2.25
316F90N95H4Z	93.75	90	480	3	113	94.63	11.56	15.00	2.25
316F96N88H4Z	100.00	96	480	4	120	87.63	4.56	15.00	2.25
316F96N95H4Z	100.00	96	480	4	120	94.63	11.56	15.00	2.25
316F90N120H4Z	112.50	90	480	3	135	119.13	13.06	15.00	2.25

300# Flanged Immersion Heaters - Type IF

316F96N120H4Z	120.00	96	480	4	144	119.13	13.06	15.00	2.25
316F90N140H4Z	131.00	90	480	5	158	139.13	15.56	15.00	2.25
316F96N140H4Z	140.00	96	480	4	168	139.13	15.56	15.00	2.25
316F84N160H4Z	140.00	84	480	7	168	159.13	15.56	15.00	2.25
316F90N160H4Z	150.00	90	480	5	180	159.13	15.56	15.00	2.25
316F96N160H4Z	160.00	96	480	4	192	159.13	15.56	15.00	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
318F108N88H4Z	112.50	108	480	3	135	87.50	4.44	17.00	2.38
318F108N95H4Z	112.50	108	480	3	135	94.50	11.44	17.00	2.38
318F108N120H4Z	135.00	108	480	6	162	119.00	12.94	17.00	2.38
318F108N140H4Z	157.50	108	480	6	189	139.00	15.44	17.00	2.38
318F108N160H4Z	180.00	108	480	6	217	159.00	15.44	17.00	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
320F120N88H4Z	125.00	120	480	4	150	87.38	4.31	19.00	2.50
320F120N95H4Z	125.00	120	480	4	150	94.38	11.31	19.00	2.50
320F144N88H4Z	150.00	144	480	4	180	87.38	4.31	19.00	2.50
320F144N95H4Z	150.00	144	480	4	180	94.38	11.31	19.00	2.50
320F120N120H4Z	150.00	120	480	4	180	118.88	12.81	19.00	2.50
320F126N120H4Z	157.50	126	480	7	189	118.88	12.81	19.00	2.50
320F120N140H4Z	175.00	120	480	5	210	138.88	15.31	19.00	2.50
320F144N120H4Z	180.00	144	480	6	217	118.88	12.81	19.00	2.50
320F126N140H4Z	183.50	126	480	7	221	138.88	15.31	19.00	2.50
320F180N88H4Z	187.50	180	480	5	226	87.38	4.31	19.00	2.50
320F180N95H4Z	187.50	180	480	5	226	94.38	11.31	19.00	2.50
320F120N160H4Z	200.00	120	480	5	241	158.88	15.31	19.00	2.50
320F162N120H4Z	202.50	162	480	9	244	118.88	12.81	19.00	2.50
320F144N140H4Z	210.00	144	480	6	253	138.88	15.31	19.00	2.50
320F126N160H4Z	210.00	126	480	7	253	158.88	15.31	19.00	2.50
320F132N160H4Z	220.00	132	480	11	265	158.88	15.31	19.00	2.50
320F180N120H4Z	225.00	180	480	6	271	118.88	12.81	19.00	2.50
320F162N140H4Z	236.00	162	480	9	284	138.88	15.31	19.00	2.50
320F144N160H4Z	240.00	144	480	6	289	158.88	15.31	19.00	2.50
320F180N140H4Z	262.50	180	480	10	316	138.88	15.31	19.00	2.50
320F162N160H4Z	270.00	162	480	9	325	158.88	15.31	19.00	2.50
320F180N160H4Z	300.00	180	480	10	361	158.88	15.31	19.00	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
324F192N88H4Z	200.00	192	480	8	241	87.13	4.06	23.00	2.75
324F192N95H4Z	200.00	192	480	8	241	94.13	11.06	23.00	2.75
324F216N88H4Z	225.00	216	480	6	271	87.13	4.06	23.00	2.75
324F216N95H4Z	225.00	216	480	6	271	94.13	11.06	23.00	2.75
324F192N120H4Z	240.00	192	480	8	289	118.63	12.56	23.00	2.75
324F240N88H4Z	250.00	240	480	8	301	87.13	4.06	23.00	2.75
324F240N95H4Z	250.00	240	480	8	301	94.13	11.06	23.00	2.75
324F216N120H4Z	270.00	216	480	9	325	118.63	12.56	23.00	2.75
324F192N140H4Z	280.00	192	480	8	337	138.63	15.06	23.00	2.75
324F234N120H4Z	292.50	234	480	13	352	118.63	12.56	23.00	2.75
324F240N120H4Z	300.00	240	480	8	361	118.63	12.56	23.00	2.75
324F216N140H4Z	315.00	216	480	9	379	138.63	15.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

324F192N160H4Z	320.00	192	480	8	385	158.63	15.06	23.00	2.75
324F234N140H4Z	341.00	234	480	13	410	138.63	15.06	23.00	2.75
324F240N140H4Z	350.00	240	480	10	421	138.63	15.06	23.00	2.75
324F216N160H4Z	360.00	216	480	12	433	158.63	15.06	23.00	2.75
324F234N160H4Z	390.00	234	480	13	469	158.63	15.06	23.00	2.75
324F240N160H4Z	400.00	240	480	10	481	158.63	15.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

3 Watts/Sq. Inch

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
34F6N44G4Z	1.50	6	480	1	2	44.13	10.56	3.83	1.25
34F6N56G4Z	2.00	6	480	1	2	56.13	10.56	3.83	1.25
34F6N67G4Z	2.50	6	480	1	3	67.13	10.56	3.83	1.25
34F6N80G4Z	3.00	6	480	1	4	80.13	12.56	3.83	1.25
34F6N100G4Z	3.75	6	480	1	5	100.13	12.56	3.83	1.25
34F6N120G4Z	4.75	6	480	1	6	120.13	12.56	3.83	1.25
34F6N111F4Z	5.00	6	480	1	6	111.13	16.56	3.83	1.25
34F6N140G4Z	5.50	6	480	1	7	140.13	16.56	3.83	1.25
34F6N160G4Z	6.50	6	480	1	8	160.13	16.56	3.83	1.25

6 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
36F12N44G4Z	3.00	12	480	1	4	43.94	10.38	5.76	1.44
36F12N56G4Z	4.00	12	480	1	5	55.94	10.38	5.76	1.44
36F12N67G4Z	5.00	12	480	1	6	66.94	10.38	5.76	1.44
36F12N80G4Z	6.00	12	480	1	7	79.94	12.38	5.76	1.44
36F12N100G4Z	7.50	12	480	1	9	99.94	12.38	5.76	1.44
36F12N120G4Z	9.50	12	480	1	11	119.94	12.38	5.76	1.44
36F12N111F4Z	10.00	12	480	1	12	110.94	16.38	5.76	1.44
36F12N140G4Z	11.00	12	480	1	13	139.94	16.38	5.76	1.44
36F12N160G4Z	13.00	12	480	1	16	159.94	16.38	5.76	1.44

8 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
38F18N44G4Z	4.50	18	480	1	5	43.75	10.19	7.63	1.63
38F24N44G4Z	6.00	24	480	1	7	43.75	10.19	7.63	1.63
38F18N56G4Z	6.00	18	480	1	7	55.75	10.19	7.63	1.63
38F18N67G4Z	7.50	18	480	1	9	66.75	10.19	7.63	1.63
38F24N56G4Z	8.00	24	480	1	10	55.75	10.19	7.63	1.63
38F18N80G4Z	9.00	18	480	1	11	79.75	12.19	7.63	1.63
38F24N67G4Z	10.00	24	480	1	12	66.75	10.19	7.63	1.63
38F18N100G4Z	11.25	18	480	1	14	99.75	12.19	7.63	1.63
38F24N80G4Z	12.00	24	480	1	14	79.75	12.19	7.63	1.63
38F18N120G4Z	14.25	18	480	1	17	119.75	12.19	7.63	1.63
38F24N100G4Z	15.00	24	480	1	18	99.75	12.19	7.63	1.63
38F18N140G4Z	16.50	18	480	1	20	139.75	16.19	7.63	1.63
38F24N120G4Z	19.00	24	480	1	23	119.75	12.19	7.63	1.63
38F18N160G4Z	19.50	18	480	1	23	159.75	16.19	7.63	1.63
38F24N140G4Z	22.00	24	480	1	26	139.75	16.19	7.63	1.63
38F24N160G4Z	26.00	24	480	1	31	159.75	16.19	7.63	1.63

10 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
310F30N44G4Z	7.50	30	480	1	9	43.50	9.94	9.75	1.88
310F36N44G4Z	9.00	36	480	1	11	43.50	9.94	9.75	1.88
310F30N56G4Z	10.00	30	480	1	12	55.50	9.94	9.75	1.88
310F36N56G4Z	12.00	36	480	1	14	55.50	9.94	9.75	1.88
310F30N67G4Z	12.50	30	480	1	15	66.50	9.94	9.75	1.88
310F36N67G4Z	15.00	36	480	1	18	66.50	9.94	9.75	1.88
310F30N80G4Z	15.00	30	480	1	18	79.50	11.94	9.75	1.88

300# Flanged Immersion Heaters - Type IF

310F36N80G4Z	18.00	36	480	1	22	79.50	11.94	9.75	1.88
310F30N100G4Z	18.75	30	480	1	23	99.50	11.94	9.75	1.88
310F36N100G4Z	22.50	36	480	1	27	99.50	11.94	9.75	1.88
310F30N120G4Z	23.75	30	480	1	29	119.50	11.94	9.75	1.88
310F30N140G4Z	27.50	30	480	1	33	139.50	15.94	9.75	1.88
310F36N120G4Z	28.50	36	480	1	34	119.50	11.94	9.75	1.88
310F30N160G4Z	32.50	30	480	1	39	159.50	15.94	9.75	1.88
310F36N140G4Z	33.00	36	480	1	40	139.50	15.94	9.75	1.88
310F36N160G4Z	39.00	36	480	1	47	159.50	15.94	9.75	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
312F48N44G4Z	12.00	48	480	1	14	43.38	9.81	11.75	2.00
312F48N56G4Z	16.00	48	480	1	19	55.38	9.81	11.75	2.00
312F48N67G4Z	20.00	48	480	1	24	66.38	9.81	11.75	2.00
312F48N80G4Z	24.00	48	480	1	29	79.38	11.81	11.75	2.00
312F54N80G4Z	27.00	54	480	1	32	79.38	11.81	11.75	2.00
312F48N100G4Z	30.00	48	480	1	36	99.38	11.81	11.75	2.00
312F54N100G4Z	33.75	54	480	1	41	99.38	11.81	11.75	2.00
312F48N120G4Z	38.00	48	480	1	46	119.38	11.81	11.75	2.00
312F48N140G4Z	44.00	48	480	2	53	139.38	15.81	11.75	2.00
312F48N160G4Z	52.00	48	480	2	63	159.38	15.81	11.75	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
314F54N80G4Z	27.00	54	480	1	32	79.25	11.69	13.00	2.13
314F60N80G4Z	30.00	60	480	1	36	79.25	11.69	13.00	2.13
314F54N100G4Z	33.75	54	480	1	41	99.25	11.69	13.00	2.13
314F72N80G4Z	36.00	72	480	1	43	79.25	11.69	13.00	2.13
314F60N100G4Z	37.50	60	480	1	45	99.25	11.69	13.00	2.13
314F72N100G4Z	45.00	72	480	2	54	99.25	11.69	13.00	2.13
314F60N120G4Z	47.50	60	480	2	57	119.25	11.69	13.00	2.13
314F60N140G4Z	55.00	60	480	2	66	139.25	15.69	13.00	2.13
314F72N120G4Z	57.00	72	480	2	69	119.25	11.69	13.00	2.13
314F60N160G4Z	65.00	60	480	2	78	159.25	15.69	13.00	2.13
314F72N140G4Z	66.00	72	480	2	79	139.25	15.69	13.00	2.13
314F72N160G4Z	78.00	72	480	2	94	159.25	15.69	13.00	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
316F84N80G4Z	42.00	84	480	2	51	79.13	11.56	15.00	2.25
316F96N80G4Z	48.00	96	480	2	58	79.13	11.56	15.00	2.25
316F84N100G4Z	52.50	84	480	2	63	99.13	11.56	15.00	2.25
316F96N100G4Z	60.00	96	480	2	72	99.13	11.56	15.00	2.25
316F84N120G4Z	66.50	84	480	2	80	119.13	11.56	15.00	2.25
316F90N120G4Z	71.25	90	480	3	86	119.13	11.56	15.00	2.25
316F96N120G4Z	76.00	96	480	2	91	119.13	11.56	15.00	2.25
316F84N140G4Z	77.00	84	480	2	93	139.13	15.56	15.00	2.25
316F90N140G4Z	82.50	90	480	3	99	139.13	15.56	15.00	2.25
316F96N140G4Z	88.00	96	480	4	106	139.13	15.56	15.00	2.25
316F90N160G4Z	97.50	90	480	3	117	159.13	15.56	15.00	2.25
316F96N160G4Z	104.00	96	480	4	125	159.13	15.56	15.00	2.25

18 Inch Heaters

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300# Flanged Immersion Heaters - Type IF

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
318F108N100G4Z	67.50	108	480	2	81	99.00	11.44	17.00	2.38
318F108N120G4Z	85.50	108	480	3	103	119.00	11.44	17.00	2.38
318F108N140G4Z	99.00	108	480	3	119	139.00	15.44	17.00	2.38
318F108N160G4Z	117.00	108	480	3	141	159.00	15.44	17.00	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
320F120N100G4Z	75.00	120	480	2	90	98.88	11.31	19.00	2.50
320F126N100G4Z	78.75	126	480	3	95	98.88	11.31	19.00	2.50
320F144N100G4Z	90.00	144	480	3	108	98.88	11.31	19.00	2.50
320F120N120G4Z	95.00	120	480	4	114	118.88	11.31	19.00	2.50
320F126N120G4Z	99.75	126	480	3	120	118.88	11.31	19.00	2.50
320F162N100G4Z	101.00	162	480	3	121	98.88	11.31	19.00	2.50
320F120N140G4Z	110.00	120	480	4	132	138.88	15.31	19.00	2.50
320F180N100G4Z	112.50	180	480	3	135	98.88	11.31	19.00	2.50
320F144N120G4Z	114.00	144	480	3	137	118.88	11.31	19.00	2.50
320F126N140G4Z	115.50	126	480	3	139	138.88	15.31	19.00	2.50
320F120N160G4Z	130.00	120	480	4	156	158.88	15.31	19.00	2.50
320F144N140G4Z	132.00	144	480	4	159	138.88	15.31	19.00	2.50
320F180N120G4Z	142.50	180	480	5	171	118.88	11.31	19.00	2.50
320F144N160G4Z	156.00	144	480	4	188	158.88	15.31	19.00	2.50
320F180N140G4Z	165.00	180	480	5	198	138.88	15.31	19.00	2.50
320F180N160G4Z	195.00	180	480	5	235	158.88	15.31	19.00	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
324F192N100G4Z	120.00	192	480	4	144	98.63	11.06	23.00	2.75
324F216N100G4Z	135.00	216	480	4	162	98.63	11.06	23.00	2.75
324F240N100G4Z	150.00	240	480	4	180	98.63	11.06	23.00	2.75
324F192N120G4Z	152.00	192	480	4	183	118.63	11.06	23.00	2.75
324F216N120G4Z	171.00	216	480	6	206	118.63	11.06	23.00	2.75
324F192N140G4Z	176.00	192	480	8	212	138.63	15.06	23.00	2.75
324F240N120G4Z	190.00	240	480	8	229	118.63	11.06	23.00	2.75
324F216N140G4Z	198.00	216	480	6	238	138.63	15.06	23.00	2.75
324F192N160G4Z	208.00	192	480	8	250	158.63	15.06	23.00	2.75
324F240N140G4Z	220.00	240	480	8	265	138.63	15.06	23.00	2.75
324F216N160G4Z	234.00	216	480	6	281	158.63	15.06	23.00	2.75
324F240N160G4Z	260.00	240	480	8	313	158.63	15.06	23.00	2.75

300# Flanged Immersion Heaters - Type IF

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>
34F6N10M2Z	0.25	6	240	1	1	10.13	3.56	3.83	1.25
34F6N13M4Z	0.38	6	480	1	0	13.13	3.56	3.83	1.25
34F6N18M2Z	0.50	6	240	1	1	17.63	3.56	3.83	1.25
34F6N18M4Z	0.50	6	480	1	1	17.63	3.56	3.83	1.25
34F6N20M2Z	0.63	6	240	1	2	19.63	3.56	3.83	1.25
34F6N20M4Z	0.63	6	480	1	1	20.13	3.56	3.83	1.25
34F6N25M4Z	0.75	6	480	1	1	25.13	3.56	3.83	1.25
34F6N25M2Z	0.75	6	240	1	2	25.13	3.56	3.83	1.25
34F6N33M4Z	1.00	6	480	1	1	32.63	3.56	3.83	1.25
34F6N40M2Z	1.25	6	240	1	3	40.13	3.56	3.83	1.25
34F6N40M4Z	1.25	6	480	1	2	40.13	3.56	3.83	1.25
34F6N48M4Z	1.50	6	480	1	2	47.63	3.56	3.83	1.25
34F6N52M4Z	1.63	6	480	1	2	51.63	5.56	3.83	1.25
34F6N52M2Z	1.63	6	240	1	4	51.63	5.56	3.83	1.25
34F6N59M4Z	1.63	6	480	1	2	57.63	12.56	3.83	1.25
34F6N64M2Z	2.13	6	240	1	5	64.13	5.56	3.83	1.25
34F6N64M4Z	2.13	6	480	1	3	64.13	5.56	3.83	1.25
34F6N73M4Z	2.13	6	480	1	3	71.63	16.56	3.83	1.25
34F6N77M2Z	2.50	6	240	1	6	76.63	5.56	3.83	1.25
34F6N77M4Z	2.50	6	480	1	3	76.63	5.56	3.83	1.25
34F6N88M4Z	2.75	6	480	1	3	88.63	5.56	3.83	1.25
34F6N95M4Z	2.75	6	480	1	3	93.63	12.56	3.83	1.25
34F6N106M4Z	3.13	6	480	1	4	106.13	12.56	3.83	1.25
34F6N120M4Z	3.88	6	480	1	5	120.13	12.56	3.83	1.25
34F6N140M4Z	4.38	6	480	1	5	140.13	16.56	3.83	1.25
34F6N160M4Z	5.00	6	480	1	6	160.13	16.56	3.83	1.25

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
36F12N10M2Z	0.50	12	240	1	1	9.94	3.38	5.76	1.44
36F12N13M4Z	0.75	12	480	1	1	12.94	3.38	5.76	1.44
36F12N18M2Z	1.00	12	240	1	2	17.44	3.38	5.76	1.44
36F12N18M4Z	1.00	12	480	1	1	17.44	3.38	5.76	1.44
36F12N20M2Z	1.25	12	240	1	3	19.44	3.38	5.76	1.44
36F12N20M4Z	1.25	12	480	1	2	19.94	3.38	5.76	1.44
36F12N25M2Z	1.50	12	240	1	4	24.94	3.38	5.76	1.44
36F12N25M4Z	1.50	12	480	1	2	24.94	3.38	5.76	1.44
36F12N33M4Z	2.00	12	480	1	2	32.44	3.38	5.76	1.44
36F12N40M2Z	2.50	12	240	1	6	39.94	3.38	5.76	1.44
36F12N40M4Z	2.50	12	480	1	3	39.94	3.38	5.76	1.44
36F12N48M4Z	3.00	12	480	1	4	47.44	3.38	5.76	1.44
36F12N52M4Z	3.25	12	480	1	4	51.44	5.38	5.76	1.44
36F12N52M2Z	3.25	12	240	1	8	51.44	5.38	5.76	1.44
36F12N59M4Z	3.25	12	480	1	4	57.44	12.38	5.76	1.44
36F12N64M4Z	4.25	12	480	1	5	63.94	5.38	5.76	1.44
36F12N64M2Z	4.25	12	240	1	10	63.94	5.38	5.76	1.44
36F12N73M4Z	4.25	12	480	1	5	71.44	16.38	5.76	1.44
36F12N77M2Z	5.00	12	240	1	12	76.44	5.38	5.76	1.44
36F12N77M4Z	5.00	12	480	1	6	76.44	5.38	5.76	1.44
36F12N88M4Z	5.50	12	480	1	7	88.44	5.38	5.76	1.44

300# Flanged Immersion Heaters - Type IF

36F12N95M4Z	5.50	12	480	1	7	93.44	12.38	5.76	1.44
36F12N106M4Z	6.25	12	480	1	8	105.94	12.38	5.76	1.44
36F12N120M4Z	7.75	12	480	1	9	119.94	12.38	5.76	1.44
36F12N140M4Z	8.75	12	480	1	11	139.94	16.38	5.76	1.44
36F12N160M4Z	10.00	12	480	1	12	159.94	16.38	5.76	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
38F18N13M4Z	1.13	18	480	1	1	12.75	3.19	7.63	1.63
38F24N13M4Z	1.50	24	480	1	2	12.75	3.19	7.63	1.63
38F18N18M4Z	1.50	18	480	1	2	17.25	3.19	7.63	1.63
38F18N20M4Z	1.88	18	480	1	2	19.75	3.19	7.63	1.63
38F24N18M4Z	2.00	24	480	1	2	17.25	3.19	7.63	1.63
38F18N25M4Z	2.25	18	480	1	3	24.75	3.19	7.63	1.63
38F24N20M4Z	2.50	24	480	1	3	19.75	3.19	7.63	1.63
38F24N25M4Z	3.00	24	480	1	4	24.75	3.19	7.63	1.63
38F18N33M4Z	3.00	18	480	1	4	32.25	3.19	7.63	1.63
38F18N40M4Z	3.75	18	480	1	5	39.75	3.19	7.63	1.63
38F24N33M4Z	4.00	24	480	1	5	32.25	3.19	7.63	1.63
38F18N48M4Z	4.50	18	480	1	5	47.25	3.19	7.63	1.63
38F24N40M4Z	5.00	24	480	1	6	39.75	3.19	7.63	1.63
38F18N52M4Z	5.00	18	480	1	6	51.25	5.19	7.63	1.63
38F18N59M4Z	5.00	18	480	1	6	57.25	12.19	7.63	1.63
38F24N48M4Z	6.00	24	480	1	7	47.25	3.19	7.63	1.63
38F18N64M4Z	6.38	18	480	1	8	63.75	5.19	7.63	1.63
38F18N73M4Z	6.38	18	480	1	8	71.25	16.19	7.63	1.63
38F24N52M4Z	6.63	24	480	1	8	51.25	5.19	7.63	1.63
38F24N59M4Z	6.63	24	480	1	8	57.25	12.19	7.63	1.63
38F18N77M4Z	7.50	18	480	1	9	76.25	5.19	7.63	1.63
38F18N88M4Z	8.38	18	480	1	10	88.25	5.19	7.63	1.63
38F18N95M4Z	8.38	18	480	1	10	93.25	12.19	7.63	1.63
38F24N64M4Z	8.50	24	480	1	10	63.75	5.19	7.63	1.63
38F24N73M4Z	8.50	24	480	1	10	71.25	16.19	7.63	1.63
38F18N106M4Z	9.38	18	480	1	11	105.75	12.19	7.63	1.63
38F24N77M4Z	10.00	24	480	1	12	76.25	5.19	7.63	1.63
38F24N88M4Z	11.00	24	480	1	13	88.25	5.19	7.63	1.63
38F24N95M4Z	11.00	24	480	1	13	93.25	12.19	7.63	1.63
38F18N120M4Z	11.50	18	480	1	14	119.75	12.19	7.63	1.63
38F24N106M4Z	12.50	24	480	1	15	105.75	12.19	7.63	1.63
38F18N140M4Z	13.00	18	480	1	16	139.75	16.19	7.63	1.63
38F18N160M4Z	15.00	18	480	1	18	159.75	16.19	7.63	1.63
38F24N120M4Z	15.50	24	480	1	19	119.75	12.19	7.63	1.63
38F24N140M4Z	17.50	24	480	1	21	139.75	16.19	7.63	1.63
38F24N160M4Z	20.00	24	480	1	24	159.75	16.19	7.63	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
310F30N13M4Z	1.88	30	480	1	2	12.50	2.94	9.75	1.88
310F36N13M4Z	2.25	36	480	1	3	12.50	2.94	9.75	1.88
310F30N18M4Z	2.50	30	480	1	3	17.00	2.94	9.75	1.88
310F36N18M4Z	3.00	36	480	1	4	17.00	2.94	9.75	1.88
310F30N20M4Z	3.13	30	480	1	4	19.50	2.94	9.75	1.88
310F36N20M4Z	3.75	36	480	1	5	19.50	2.94	9.75	1.88
310F30N25M4Z	3.75	30	480	1	5	24.50	2.94	9.75	1.88

300# Flanged Immersion Heaters - Type IF

310F36N25M4Z	4.50	36	480	1	5	24.50	2.94	9.75	1.88
310F30N33M4Z	5.00	30	480	1	6	32.00	2.94	9.75	1.88
310F36N33M4Z	6.00	36	480	1	7	32.00	2.94	9.75	1.88
310F30N40M4Z	6.25	30	480	1	8	39.50	2.94	9.75	1.88
310F36N40M4Z	7.50	36	480	1	9	39.50	2.94	9.75	1.88
310F30N48M4Z	7.50	30	480	1	9	47.00	2.94	9.75	1.88
310F30N52M4Z	8.25	30	480	1	10	51.00	4.94	9.75	1.88
310F30N59M4Z	8.25	30	480	1	10	57.00	11.94	9.75	1.88
310F36N48M4Z	9.00	36	480	1	11	47.00	2.94	9.75	1.88
310F36N52M4Z	10.00	36	480	1	12	51.00	4.94	9.75	1.88
310F36N59M4Z	10.00	36	480	1	12	57.00	11.94	9.75	1.88
310F30N64M4Z	10.50	30	480	1	13	63.50	4.94	9.75	1.88
310F30N73M4Z	10.50	30	480	1	13	71.00	15.94	9.75	1.88
310F30N77M4Z	12.50	30	480	1	15	76.00	4.94	9.75	1.88
310F36N64M4Z	12.75	36	480	1	15	63.50	4.94	9.75	1.88
310F36N73M4Z	12.75	36	480	1	15	71.00	15.94	9.75	1.88
310F30N88M4Z	14.00	30	480	1	17	88.00	4.94	9.75	1.88
310F30N95M4Z	14.00	30	480	1	17	93.00	11.94	9.75	1.88
310F36N77M4Z	15.00	36	480	1	18	76.00	4.94	9.75	1.88
310F30N106M4Z	15.75	30	480	1	19	105.50	11.94	9.75	1.88
310F36N88M4Z	16.75	36	480	1	20	88.00	4.94	9.75	1.88
310F36N95M4Z	16.75	36	480	1	20	93.00	11.94	9.75	1.88
310F36N106M4Z	18.75	36	480	1	23	105.50	11.94	9.75	1.88
310F30N120M4Z	19.50	30	480	1	23	119.50	11.94	9.75	1.88
310F30N140M4Z	21.75	30	480	1	26	139.50	15.94	9.75	1.88
310F36N120M4Z	23.25	36	480	1	28	119.50	11.94	9.75	1.88
310F30N160M4Z	25.00	30	480	1	30	159.50	15.94	9.75	1.88
310F36N140M4Z	26.25	36	480	1	32	139.50	15.94	9.75	1.88
310F36N160M4Z	30.00	36	480	1	36	159.50	15.94	9.75	1.88

12 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
312F48N40M4Z	10.00	48	480	1	12	39.38	2.81	11.75	2.00
312F48N48M4Z	12.00	48	480	1	14	46.88	2.81	11.75	2.00
312F48N52M4Z	13.25	48	480	1	16	50.88	4.81	11.75	2.00
312F48N59M4Z	13.25	48	480	1	16	56.88	11.81	11.75	2.00
312F48N64M4Z	17.00	48	480	1	20	63.38	4.81	11.75	2.00
312F48N73M4Z	17.00	48	480	1	20	70.88	15.81	11.75	2.00
312F48N77M4Z	20.00	48	480	1	24	75.88	4.81	11.75	2.00
312F48N88M4Z	22.25	48	480	1	27	87.88	4.81	11.75	2.00
312F48N95M4Z	22.25	48	480	1	27	92.88	11.81	11.75	2.00
312F54N88M4Z	25.00	54	480	1	30	87.88	4.81	11.75	2.00
312F54N95M4Z	25.00	54	480	1	30	92.88	11.81	11.75	2.00
312F48N106M4Z	25.00	48	480	1	30	105.38	11.81	11.75	2.00
312F54N106M4Z	28.25	54	480	1	34	105.38	11.81	11.75	2.00
312F48N120M4Z	31.00	48	480	1	37	119.38	11.81	11.75	2.00
312F54N120M4Z	35.00	54	480	1	42	119.38	11.81	11.75	2.00
312F48N140M4Z	35.00	48	480	1	42	139.38	15.81	11.75	2.00
312F54N140M4Z	39.25	54	480	1	47	139.38	15.81	11.75	2.00
312F48N160M4Z	40.00	48	480	1	48	159.38	15.81	11.75	2.00

14 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
314F54N88M4Z	25.00	54	480	1	30	87.75	4.69	13.00	2.13

300# Flanged Immersion Heaters - Type IF

314F54N95M4Z	25.00	54	480	1	30	92.75	11.69	13.00	2.13
314F60N88M4Z	28.00	60	480	1	34	87.75	4.69	13.00	2.13
314F60N95M4Z	28.00	60	480	1	34	92.75	11.69	13.00	2.13
314F54N106M4Z	28.25	54	480	1	34	105.25	11.69	13.00	2.13
314F60N106M4Z	31.50	60	480	1	38	105.25	11.69	13.00	2.13
314F72N88M4Z	33.50	72	480	1	40	87.75	4.69	13.00	2.13
314F72N95M4Z	33.50	72	480	1	40	92.75	11.69	13.00	2.13
314F54N120M4Z	35.00	54	480	1	42	119.25	11.69	13.00	2.13
314F72N106M4Z	37.75	72	480	1	45	105.25	11.69	13.00	2.13
314F60N120M4Z	39.00	60	480	1	47	119.25	11.69	13.00	2.13
314F54N140M4Z	39.25	54	480	1	47	139.25	15.69	13.00	2.13
314F60N140M4Z	43.75	60	480	2	53	139.25	15.69	13.00	2.13
314F72N120M4Z	46.75	72	480	2	56	119.25	11.69	13.00	2.13
314F60N160M4Z	50.00	60	480	2	60	159.25	15.69	13.00	2.13
314F72N140M4Z	52.50	72	480	2	63	139.25	15.69	13.00	2.13
314F72N160M4Z	60.00	72	480	2	72	159.25	15.69	13.00	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
316F84N88M4Z	39.00	84	480	1	47	87.63	4.56	15.00	2.25
316F84N95M4Z	39.00	84	480	1	47	92.63	11.56	15.00	2.25
316F84N106M4Z	44.00	84	480	2	53	105.13	11.56	15.00	2.25
316F96N88M4Z	44.75	96	480	2	54	87.63	4.56	15.00	2.25
316F96N95M4Z	44.75	96	480	2	54	92.63	11.56	15.00	2.25
316F96N106M4Z	50.25	96	480	2	60	105.13	11.56	15.00	2.25
316F84N120M4Z	54.50	84	480	2	66	119.13	11.56	15.00	2.25
316F84N140M4Z	61.25	84	480	2	74	139.13	15.56	15.00	2.25
316F96N120M4Z	62.25	96	480	2	75	119.13	11.56	15.00	2.25
316F90N140M4Z	65.50	90	480	3	79	139.13	15.56	15.00	2.25
316F96N140M4Z	70.00	96	480	2	84	139.13	15.56	15.00	2.25
316F84N160M4Z	70.00	84	480	2	84	159.13	15.56	15.00	2.25
316F90N160M4Z	75.00	90	480	3	90	159.13	15.56	15.00	2.25
316F96N160M4Z	80.00	96	480	2	96	159.13	15.56	15.00	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
318F108N88M4Z	50.25	108	480	2	60	87.50	4.44	17.00	2.38
318F108N95M4Z	50.25	108	480	2	60	92.50	11.44	17.00	2.38
318F108N106M4Z	56.50	108	480	2	68	105.00	11.44	17.00	2.38
318F108N120M4Z	70.00	108	480	2	84	119.00	11.44	17.00	2.38
318F108N140M4Z	78.75	108	480	2	95	139.00	15.44	17.00	2.38
318F108N160M4Z	90.00	108	480	3	108	159.00	15.44	17.00	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
320F120N88M4Z	56.00	120	480	2	67	87.38	4.31	19.00	2.50
320F120N95M4Z	56.00	120	480	2	67	92.38	11.31	19.00	2.50
320F132N88M4Z	61.50	132	480	2	74	87.38	4.31	19.00	2.50
320F132N95M4Z	61.50	132	480	2	74	92.38	11.31	19.00	2.50
320F120N106M4Z	63.00	120	480	2	76	104.88	11.31	19.00	2.50
320F126N106M4Z	66.00	126	480	3	79	104.88	11.31	19.00	2.50
320F144N88M4Z	67.00	144	480	2	81	87.38	4.31	19.00	2.50
320F144N95M4Z	67.00	144	480	2	81	92.38	11.31	19.00	2.50
320F132N106M4Z	69.25	132	480	2	83	104.88	11.31	19.00	2.50

300# Flanged Immersion Heaters - Type IF

320F162N88M4Z	75.50	162	480	3	91	87.38	4.31	19.00	2.50
320F162N95M4Z	75.50	162	480	3	91	92.38	11.31	19.00	2.50
320F144N106M4Z	75.50	144	480	2	91	104.88	11.31	19.00	2.50
320F120N120M4Z	78.00	120	480	2	94	118.88	11.31	19.00	2.50
320F126N120M4Z	81.75	126	480	3	98	118.88	11.31	19.00	2.50
320F180N88M4Z	84.00	180	480	3	101	87.38	4.31	19.00	2.50
320F180N95M4Z	84.00	180	480	3	101	92.38	11.31	19.00	2.50
320F162N106M4Z	85.00	162	480	3	102	104.88	11.31	19.00	2.50
320F120N140M4Z	87.50	120	480	4	105	138.88	15.31	19.00	2.50
320F126N140M4Z	91.75	126	480	3	110	138.88	15.31	19.00	2.50
320F144N120M4Z	93.50	144	480	3	112	118.88	11.31	19.00	2.50
320F180N106M4Z	94.50	180	480	3	114	104.88	11.31	19.00	2.50
320F120N160M4Z	100.00	120	480	4	120	158.88	15.31	19.00	2.50
320F162N120M4Z	105.00	162	480	3	126	118.88	11.31	19.00	2.50
320F144N140M4Z	105.00	144	480	3	126	138.88	15.31	19.00	2.50
320F126N160M4Z	105.00	126	480	3	126	158.88	15.31	19.00	2.50
320F180N120M4Z	117.00	180	480	3	141	118.88	11.31	19.00	2.50
320F162N140M4Z	118.00	162	480	3	142	138.88	15.31	19.00	2.50
320F144N160M4Z	120.00	144	480	3	144	158.88	15.31	19.00	2.50
320F180N140M4Z	131.00	180	480	5	158	138.88	15.31	19.00	2.50
320F180N160M4Z	150.00	180	480	5	180	158.88	15.31	19.00	2.50

24 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
324F192N88M4Z	89.50	192	480	4	108	87.13	4.06	23.00	2.75
324F192N95M4Z	89.50	192	480	4	108	92.13	11.06	23.00	2.75
324F216N88M4Z	100.50	216	480	3	121	87.13	4.06	23.00	2.75
324F216N95M4Z	100.50	216	480	3	121	92.13	11.06	23.00	2.75
324F192N106M4Z	100.50	192	480	4	121	104.63	11.06	23.00	2.75
324F234N88M4Z	109.00	234	480	3	131	87.13	4.06	23.00	2.75
324F234N95M4Z	109.00	234	480	3	131	92.13	11.06	23.00	2.75
324F240N88M4Z	112.00	240	480	4	135	87.13	4.06	23.00	2.75
324F240N95M4Z	112.00	240	480	4	135	92.13	11.06	23.00	2.75
324F216N106M4Z	113.00	216	480	3	136	104.63	11.06	23.00	2.75
324F192N120M4Z	124.50	192	480	4	150	118.63	11.06	23.00	2.75
324F240N106M4Z	126.00	240	480	4	152	104.63	11.06	23.00	2.75
324F216N120M4Z	140.00	216	480	4	168	118.63	11.06	23.00	2.75
324F192N140M4Z	140.00	192	480	4	168	138.63	15.06	23.00	2.75
324F240N120M4Z	156.00	240	480	4	188	118.63	11.06	23.00	2.75
324F216N140M4Z	157.50	216	480	4	189	138.63	15.06	23.00	2.75
324F192N160M4Z	160.00	192	480	4	192	158.63	15.06	23.00	2.75
324F240N140M4Z	175.00	240	480	8	210	138.63	15.06	23.00	2.75
324F216N160M4Z	180.00	216	480	6	217	158.63	15.06	23.00	2.75
324F240N160M4Z	200.00	240	480	8	241	158.63	15.06	23.00	2.75