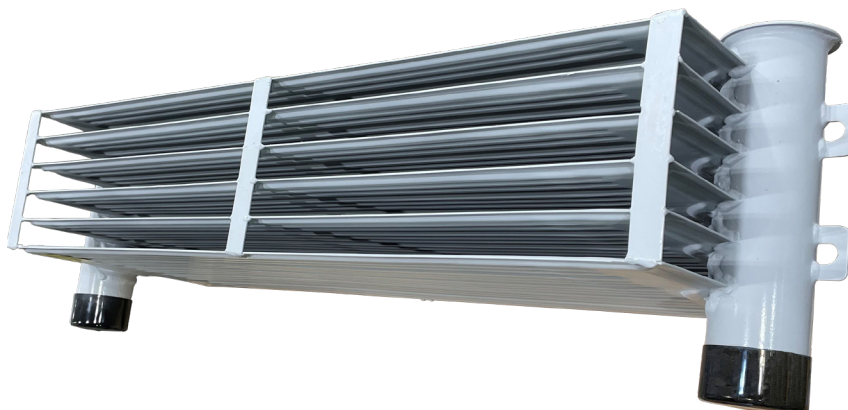




Panel Radiators

INTRODUCTION

Howard panel radiators are specifically designed for original equipment manufacturers and apparatus repair shops engaged in the manufacture or repair of fluid-filled electrical equipment, particularly distribution transformers, voltage regulators and substation power transformers. Our extensive line of panel radiator products is available in weld-on or demountable styles in a wide range of sizes and cooling capacities. Optional features and accessories are available to satisfy most typical requirements. Custom design services are available for special applications.



QUALITY

Panel radiators are manufactured in our Sandersville Components Facility utilizing the latest in precision fabrication and finishing processes to produce the highest quality radiators available in the market. Howard radiator designs deliver exceptional strength, rigidity and dimensional accuracy. Howard Industries' quality management system is certified to the stringent quality requirements of ISO-9001, recognizing our commitment to quality and continuous improvement.

STANDARD FEATURES

All panel radiators are supplied with the standard features listed below. Refer to Figures 1 and 2 for design illustrations.

STANDARD FEATURES

- HRPO mild steel construction
- Integral headers suitable for weld-on applications
- Polyester powder paint finish, Munsell 7GY3.29/1.5
- Shipping nuts on radiators with more than 12 panels, or more than 59 inches in length

OPTIONAL FEATURES

A number of optional features are available to satisfy the requirements of specific applications.

- Mounting flanges for demountable applications
- Cut-off valves
- 304L stainless steel construction
- Polyester powder paint finish Munsell 5BG7.0/0.4 gray finish

ORDERING INFORMATION

Refer to Tables 1 and 2 for ordering information.

The "xx" variable in the model numbers designates finish. Enter "GN" for green finish (Munsell 7GY3.29/1.5) or "GY" for gray finish (Munsell 5BG7.0/0.4).

The "y" variable designates steel type. Enter "M" for mild steel, or "3" for 304L stainless steel.

The "z" variable designates header type. Leave blank for standard 6" length header or enter "F" for flange (for demountable applications).

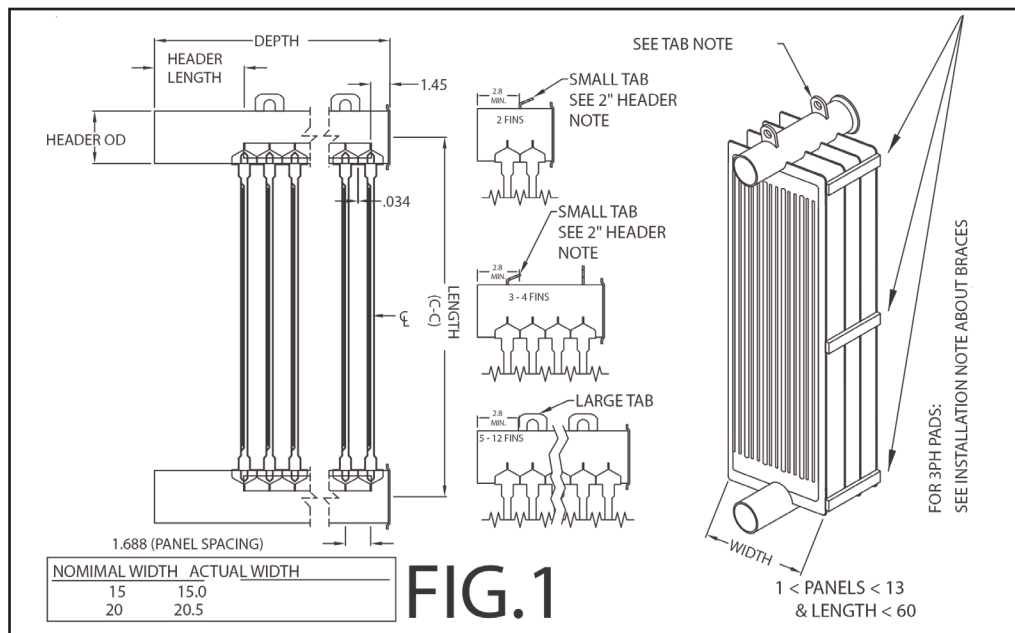


FIGURE 1: Panel Radiator, Length $\leq 59"$ and Number of Panels ≤ 12

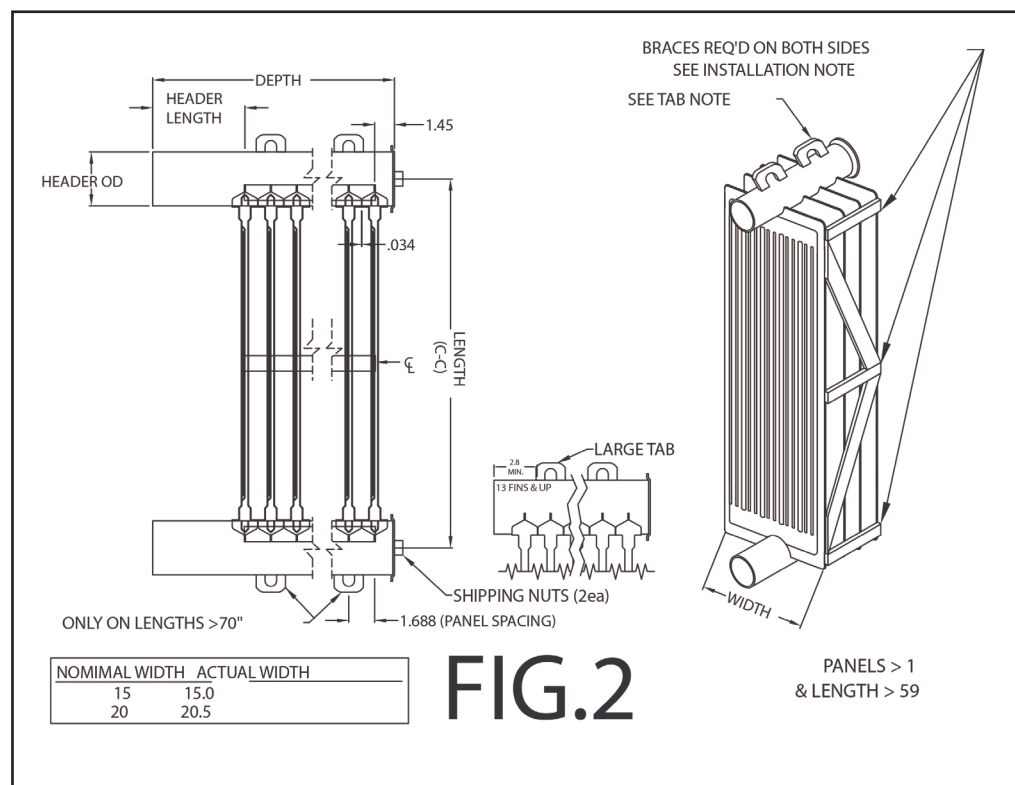


FIGURE 2: Panel Radiator, Length $\geq 60"$ and Number of Panels ≥ 13

Table 1: Panel Radiator Ordering Information - 20" Panel Width

Model Number	Panel Width (inches)	Centerline Length (inches)	Number of Panels	Total Panel Area (square inches)	Weight (pounds)	Volume (gallons)	Header O.D. (inches)	Drawing Reference
20-21-01-xx-y-z	20	21	1	1,019.3	14.6	0.79	3.5	1
20-21-02-xx-y-z	20	21	2	1,936.7	26.3	1.36	3.5	1
20-21-03-xx-y-z	20	21	3	2,854.0	38.0	1.92	3.5	1
20-21-04-xx-y-z	20	21	4	3,771.4	49.6	2.49	3.5	1
20-21-05-xx-y-z	20	21	5	4,688.7	61.2	3.05	3.5	1
20-21-06-xx-y-z	20	21	6	5,606.1	72.9	3.62	3.5	1
20-21-07-xx-y-z	20	21	7	6,523.4	84.5	4.19	3.5	1
20-21-08-xx-y-z	20	21	8	7,440.8	96.1	4.75	3.5	1
20-21-09-xx-y-z	20	21	9	8,358.2	107.8	5.32	3.5	1
20-21-10-xx-y-z	20	21	10	9,275.5	119.4	5.88	3.5	1
20-21-11-xx-y-z	20	21	11	10,192.9	131.1	6.45	3.5	1
20-21-12-xx-y-z	20	21	12	11,110.2	142.7	7.01	3.5	1
20-26-01-xx-y-z	20	26	1	1,248.1	17.1	0.90	3.5	1
20-26-02-xx-y-z	20	26	2	2,394.1	31.3	1.56	3.5	1
20-26-03-xx-y-z	20	26	3	3,540.2	45.4	2.23	3.5	1
20-26-04-xx-y-z	20	26	4	4,686.3	59.5	2.90	3.5	1
20-26-05-xx-y-z	20	26	5	5,832.4	73.6	3.56	3.5	1
20-26-06-xx-y-z	20	26	6	6,978.5	87.7	4.23	3.5	1
20-26-07-xx-y-z	20	26	7	8,124.6	101.8	4.90	3.5	1
20-26-08-xx-y-z	20	26	8	9,270.7	116.0	5.57	3.5	1
20-26-09-xx-y-z	20	26	9	10,416.8	130.1	6.23	3.5	1
20-26-10-xx-y-z	20	26	10	11,562.9	144.2	6.90	3.5	1
20-26-11-xx-y-z	20	26	11	12,709.0	158.3	7.57	3.5	1
20-26-12-xx-y-z	20	26	12	13,855.1	172.4	8.24	3.5	1
20-30-01-xx-y-z	20	30	1	1,431.0	19.1	0.98	3.5	1
20-30-02-xx-y-z	20	30	2	2,760.1	35.2	1.73	3.5	1
20-30-03-xx-y-z	20	30	3	4,089.2	51.3	2.47	3.5	1
20-30-04-xx-y-z	20	30	4	5,418.3	67.4	3.22	3.5	1
20-30-05-xx-y-z	20	30	5	6,747.4	83.5	3.97	3.5	1
20-30-06-xx-y-z	20	30	6	8,076.4	99.6	4.72	3.5	1
20-30-07-xx-y-z	20	30	7	9,405.5	115.7	5.47	3.5	1
20-30-08-xx-y-z	20	30	8	10,734.6	131.8	6.22	3.5	1
20-30-09-xx-y-z	20	30	9	12,063.7	147.9	6.97	3.5	1
20-30-10-xx-y-z	20	30	10	13,392.8	164.0	7.72	3.5	1
20-30-11-xx-y-z	20	30	11	14,721.8	180.1	8.46	3.5	1
20-30-12-xx-y-z	20	30	12	16,050.9	196.2	9.21	3.5	1
20-36-01-xx-y-z	20	36	1	1,705.5	22.1	1.10	3.5	1
20-36-02-xx-y-z	20	36	2	3,309.1	41.2	1.97	3.5	1
20-36-03-xx-y-z	20	36	3	4,912.7	60.2	2.84	3.5	1
20-36-04-xx-y-z	20	36	4	6,516.2	79.3	3.71	3.5	1
20-36-05-xx-y-z	20	36	5	8,119.8	98.4	4.58	3.5	1
20-36-06-xx-y-z	20	36	6	9,723.3	117.5	5.45	3.5	1
20-36-07-xx-y-z	20	36	7	11,326.9	136.5	6.33	3.5	1
20-36-08-xx-y-z	20	36	8	12,930.5	155.6	7.20	3.5	1
20-36-09-xx-y-z	20	36	9	14,534.0	174.7	8.07	3.5	1
20-36-10-xx-y-z	20	36	10	16,137.6	193.7	8.94	3.5	1
20-36-11-xx-y-z	20	36	11	17,741.2	212.8	9.81	3.5	1
20-36-12-xx-y-z	20	36	12	19,344.7	231.9	10.68	3.5	1
20-42-01-xx-y-z	20	42	1	1,980.0	25.0	1.22	3.5	1

Model Number	Panel Width (inches)	Centerline Length (inches)	Number of Panels	Total Panel Area (square inches)	Weight (pounds)	Volume (gallons)	Header O.D. (inches)	Drawing Reference
20-42-02-xx-y-z	20	42	2	3,858.1	47.1	2.22	3.5	1
20-42-03-xx-y-z	20	42	3	5,736.1	69.2	3.21	3.5	1
20-42-04-xx-y-z	20	42	4	7,614.2	91.2	4.20	3.5	1
20-42-05-xx-y-z	20	42	5	9,492.2	113.2	5.20	3.5	1
20-42-06-xx-y-z	20	42	6	11,370.3	135.3	6.19	3.5	1
20-42-07-xx-y-z	20	42	7	13,248.3	157.3	7.18	3.5	1
20-42-08-xx-y-z	20	42	8	15,126.3	179.4	8.18	3.5	1
20-42-09-xx-y-z	20	42	9	17,004.4	201.4	9.17	3.5	1
20-42-10-xx-y-z	20	42	10	18,882.4	223.5	10.16	3.5	1
20-42-11-xx-y-z	20	42	11	20,760.5	245.5	11.16	3.5	1
20-42-12-xx-y-z	20	42	12	22,638.5	267.5	12.15	3.5	1
20-48-01-xx-y-z	20	48	1	2,254.5	28.0	1.34	3.5	1
20-48-02-xx-y-z	20	48	2	4,407.0	53.1	2.46	3.5	1
20-48-03-xx-y-z	20	48	3	6,559.6	78.1	3.58	3.5	1
20-48-04-xx-y-z	20	48	4	8,712.1	103.1	4.69	3.5	1
20-48-05-xx-y-z	20	48	5	10,864.6	128.1	5.81	3.5	1
20-48-06-xx-y-z	20	48	6	13,017.2	153.1	6.92	3.5	1
20-48-07-xx-y-z	20	48	7	15,169.7	178.1	8.04	3.5	1
20-48-08-xx-y-z	20	48	8	17,322.2	203.2	9.15	3.5	1
20-48-09-xx-y-z	20	48	9	19,474.8	228.2	10.27	3.5	1
20-48-10-xx-y-z	20	48	10	21,627.3	253.2	11.39	3.5	1
20-48-11-xx-y-z	20	48	11	23,779.8	278.2	12.50	3.5	1
20-48-12-xx-y-z	20	48	12	25,932.4	303.2	13.62	3.5	1
20-52-01-xx-y-z	20	52	1	2,437.5	30.0	1.43	3.5	1
20-52-02-xx-y-z	20	52	2	4,773.0	57.0	2.62	3.5	1
20-52-03-xx-y-z	20	52	3	7,108.5	84.0	3.82	3.5	1
20-52-04-xx-y-z	20	52	4	9,444.0	111.0	5.02	3.5	1
20-52-05-xx-y-z	20	52	5	11,779.6	138.0	6.21	3.5	1
20-52-06-xx-y-z	20	52	6	14,115.1	165.0	7.41	3.5	1
20-52-07-xx-y-z	20	52	7	16,450.6	192.0	8.61	3.5	1
20-52-08-xx-y-z	20	52	8	18,786.1	219.0	9.81	3.5	1
20-52-09-xx-y-z	20	52	9	21,121.7	246.0	11.00	3.5	1
20-52-10-xx-y-z	20	52	10	23,457.2	273.0	12.20	3.5	1
20-52-11-xx-y-z	20	52	11	25,792.7	300.0	13.40	3.5	1
20-52-12-xx-y-z	20	52	12	28,128.2	327.0	14.60	3.5	1
20-52-13-xx-y-z	20	52	13	30,463.7	360.1	15.79	3.5	2
20-52-15-xx-y-z	20	52	15	35,134.8	414.5	18.19	3.5	2
20-52-16-xx-y-z	20	52	16	37,470.3	441.8	19.39	3.5	2
20-52-17-xx-y-z	20	52	17	39,805.8	469.0	20.58	3.5	2
20-52-18-xx-y-z	20	52	18	42,141.4	496.3	21.78	3.5	2
20-52-19-xx-y-z	20	52	19	44,476.9	523.5	22.98	3.5	2
20-52-20-xx-y-z	20	52	20	46,812.4	550.8	24.17	3.5	2
20-52-21-xx-y-z	20	52	21	49,147.9	578.0	25.37	3.5	2
20-52-22-xx-y-z	20	52	22	51,483.4	605.3	26.57	3.5	2
20-52-23-xx-y-z	20	52	23	53,819.0	632.6	27.77	3.5	2
20-52-24-xx-y-z	20	52	24	56,154.5	659.8	28.96	3.5	2
20-52-25-xx-y-z	20	52	25	58,490.0	687.1	30.16	3.5	2
20-52-26-xx-y-z	20	52	26	60,825.5	714.4	31.36	3.5	2
20-52-27-xx-y-z	20	52	27	63,161.0	741.7	32.56	3.5	2

Model Number	Panel Width (inches)	Centerline Length (inches)	Number of Panels	Total Panel Area (square inches)	Weight (pounds)	Volume (gallons)	Header O.D. (inches)	Drawing Reference
20-52-28-xx-y-z	20	52	28	65,496.6	769.0	33.75	3.5	2
20-52-29-xx-y-z	20	52	29	67,832.1	796.3	34.95	3.5	2
20-52-30-xx-y-z	20	52	30	70,167.6	823.6	36.15	3.5	2
20-60-03-xx-y-z	20	60	3	8,206.5	101.5	4.31	3.5	2
20-60-04-xx-y-z	20	60	4	10,908.0	132.5	5.67	3.5	2
20-60-05-xx-y-z	20	60	5	13,609.5	163.5	7.03	3.5	2
20-60-06-xx-y-z	20	60	6	16,311.0	194.6	8.39	3.5	2
20-60-07-xx-y-z	20	60	7	19,012.5	225.6	9.75	3.5	2
20-60-08-xx-y-z	20	60	8	21,714.0	256.7	11.11	3.5	2
20-60-09-xx-y-z	20	60	9	24,415.5	287.8	12.47	3.5	2
20-60-10-xx-y-z	20	60	10	27,117.0	318.9	13.83	3.5	2
20-60-11-xx-y-z	20	60	11	29,818.5	350.0	15.19	3.5	2
20-60-12-xx-y-z	20	60	12	32,520.0	381.1	16.55	3.5	2
20-60-13-xx-y-z	20	60	13	35,221.5	412.3	17.91	3.5	2
20-60-14-xx-y-z	20	60	14	37,923.0	443.4	19.27	3.5	2
20-60-15-xx-y-z	20	60	15	40,624.5	474.6	20.63	3.5	2
20-60-16-xx-y-z	20	60	16	43,326.0	505.8	22.00	3.5	2
20-60-17-xx-y-z	20	60	17	46,027.5	536.9	23.36	3.5	2
20-60-18-xx-y-z	20	60	18	48,729.0	568.1	24.72	3.5	2
20-60-19-xx-y-z	20	60	19	51,430.5	599.3	26.08	3.5	2
20-60-20-xx-y-z	20	60	20	54,132.0	630.5	27.44	3.5	2
20-60-21-xx-y-z	20	60	21	56,833.5	661.7	28.80	3.5	2
20-60-22-xx-y-z	20	60	22	59,535.0	693.0	30.16	3.5	2
20-60-23-xx-y-z	20	60	23	62,236.5	724.2	31.52	3.5	2
20-60-24-xx-y-z	20	60	24	64,938.0	755.4	32.88	3.5	2
20-60-25-xx-y-z	20	60	25	67,639.5	786.6	34.24	3.5	2
20-60-26-xx-y-z	20	60	26	70,341.0	817.9	35.60	3.5	2
20-60-27-xx-y-z	20	60	27	73,042.5	849.1	36.96	3.5	2
20-60-28-xx-y-z	20	60	28	75,744.0	880.3	38.32	3.5	2
20-60-29-xx-y-z	20	60	29	78,445.5	911.6	39.68	3.5	2
20-60-30-xx-y-z	20	60	30	81,147.0	942.8	41.04	3.5	2
20-66-03-xx-y-z	20	66	3	9,029.9	111.0	4.68	3.5	2
20-66-04-xx-y-z	20	66	4	12,005.9	145.0	6.16	3.5	2
20-66-05-xx-y-z	20	66	5	14,981.9	179.0	7.64	3.5	2
20-66-06-xx-y-z	20	66	6	17,957.9	213.0	9.12	3.5	2
20-66-07-xx-y-z	20	66	7	20,933.9	247.0	10.61	3.5	2
20-66-08-xx-y-z	20	66	8	23,909.8	281.0	12.09	3.5	2
20-66-09-xx-y-z	20	66	9	26,885.8	315.1	13.57	3.5	2
20-66-10-xx-y-z	20	66	10	29,861.8	349.1	15.06	3.5	2
20-66-11-xx-y-z	20	66	11	32,837.8	383.2	16.54	3.5	2
20-66-12-xx-y-z	20	66	12	35,813.8	417.3	18.02	3.5	2
20-66-13-xx-y-z	20	66	13	38,789.8	451.4	19.50	3.5	2
20-66-14-xx-y-z	20	66	14	41,765.7	485.5	20.99	3.5	2
20-66-15-xx-y-z	20	66	15	44,741.7	519.7	22.47	3.5	2
20-66-16-xx-y-z	20	66	16	47,717.7	553.8	23.95	3.5	2
20-66-17-xx-y-z	20	66	17	50,693.7	587.9	25.44	3.5	2
20-66-18-xx-y-z	20	66	18	53,669.7	622.1	26.92	3.5	2
20-66-19-xx-y-z	20	66	19	56,645.7	656.2	28.40	3.5	2
20-66-20-xx-y-z	20	66	20	59,621.6	690.4	29.88	3.5	2

Model Number	Panel Width (inches)	Centerline Length (inches)	Number of Panels	Total Panel Area (square inches)	Weight (pounds)	Volume (gallons)	Header O.D. (inches)	Drawing Reference
20-66-21-xx-y-z	20	66	21	62,597.6	724.6	31.37	3.5	2
20-66-22-xx-y-z	20	66	22	65,573.6	758.7	32.85	3.5	2
20-66-23-xx-y-z	20	66	23	68,549.6	792.9	34.33	3.5	2
20-66-24-xx-y-z	20	66	24	71,525.6	827.1	35.81	3.5	2
20-66-25-xx-y-z	20	66	25	74,501.6	861.3	37.30	3.5	2
20-66-26-xx-y-z	20	66	26	77,477.6	895.5	38.78	3.5	2
20-66-27-xx-y-z	20	66	27	80,453.5	929.7	40.26	3.5	2
20-66-28-xx-y-z	20	66	28	83,429.5	963.9	41.75	3.5	2
20-66-29-xx-y-z	20	66	29	86,405.5	998.1	43.23	3.5	2
20-66-30-xx-y-z	20	66	30	89,381.5	1032.3	44.71	3.5	2
20-72-03-xx-y-z	20	72	3	9,853.4	120.5	5.04	3.5	2
20-72-04-xx-y-z	20	72	4	13,103.8	157.5	6.65	3.5	2
20-72-05-xx-y-z	20	72	5	16,354.3	194.4	8.25	3.5	2
20-72-06-xx-y-z	20	72	6	19,604.8	231.4	9.86	3.5	2
20-72-07-xx-y-z	20	72	7	22,855.2	268.4	11.46	3.5	2
20-72-08-xx-y-z	20	72	8	26,105.7	305.4	13.07	3.5	2
20-72-09-xx-y-z	20	72	9	29,356.2	342.4	14.67	3.5	2
20-72-10-xx-y-z	20	72	10	32,606.6	379.4	16.28	3.5	2
20-72-11-xx-y-z	20	72	11	35,857.1	416.5	17.88	3.5	2
20-72-12-xx-y-z	20	72	12	39,107.6	453.5	19.49	3.5	2
20-72-13-xx-y-z	20	72	13	42,358.0	490.6	21.09	3.5	2
20-72-14-xx-y-z	20	72	14	45,608.5	527.6	22.70	3.5	2
20-72-15-xx-y-z	20	72	15	48,859.0	564.7	24.30	3.5	2
20-72-16-xx-y-z	20	72	16	52,109.5	601.8	25.91	3.5	2
20-72-17-xx-y-z	20	72	17	55,359.9	638.9	27.51	3.5	2
20-72-18-xx-y-z	20	72	18	58,610.4	676.0	29.12	3.5	2
20-72-19-xx-y-z	20	72	19	61,860.9	713.2	30.72	3.5	2
20-72-20-xx-y-z	20	72	20	65,111.3	750.3	32.33	3.5	2
20-72-21-xx-y-z	20	72	21	68,361.8	787.4	33.94	3.5	2
20-72-22-xx-y-z	20	72	22	71,612.3	824.5	35.54	3.5	2
20-72-23-xx-y-z	20	72	23	74,862.7	861.7	37.15	3.5	2
20-72-24-xx-y-z	20	72	24	78,113.2	898.8	38.75	3.5	2
20-72-25-xx-y-z	20	72	25	81,363.7	936.0	40.36	3.5	2
20-72-26-xx-y-z	20	72	26	84,614.1	973.2	41.96	3.5	2
20-72-27-xx-y-z	20	72	27	87,864.6	1010.3	43.57	3.5	2
20-72-28-xx-y-z	20	72	28	91,115.1	1047.5	45.17	3.5	2
20-72-29-xx-y-z	20	72	29	94,365.5	1084.7	46.78	3.5	2
20-72-30-xx-y-z	20	72	30	97,616.0	1121.8	48.38	3.5	2
20-78-03-xx-y-z	20	78	3	10,676.8	130.1	5.41	3.5	2
20-78-04-xx-y-z	20	78	4	14,201.8	170.0	7.14	3.5	2
20-78-05-xx-y-z	20	78	5	17,726.7	209.9	8.87	3.5	2
20-78-06-xx-y-z	20	78	6	21,251.7	249.8	10.59	3.5	2
20-78-07-xx-y-z	20	78	7	24,776.6	289.8	12.32	3.5	2
20-78-08-xx-y-z	20	78	8	28,301.6	329.7	14.05	3.5	2
20-78-09-xx-y-z	20	78	9	31,826.5	369.7	15.77	3.5	2
20-78-10-xx-y-z	20	78	10	35,351.5	409.7	17.50	3.5	2
20-78-11-xx-y-z	20	78	11	38,876.4	449.7	19.23	3.5	2
20-78-12-xx-y-z	20	78	12	42,401.4	489.7	20.96	3.5	2
20-78-13-xx-y-z	20	78	13	45,926.3	529.7	22.68	3.5	2

Model Number	Panel Width (inches)	Centerline Length (inches)	Number of Panels	Total Panel Area (square inches)	Weight (pounds)	Volume (gallons)	Header O.D. (inches)	Drawing Reference
20-78-14-xx-y-z	20	78	14	49,451.3	569.8	24.41	3.5	2
20-78-15-xx-y-z	20	78	15	52,976.2	609.8	26.14	3.5	2
20-78-16-xx-y-z	20	78	16	56,501.2	649.9	27.87	3.5	2
20-78-17-xx-y-z	20	78	17	60,026.1	689.9	29.59	3.5	2
20-78-18-xx-y-z	20	78	18	63,551.1	730.0	31.32	3.5	2
20-78-19-xx-y-z	20	78	19	67,076.1	770.1	33.05	3.5	2
20-78-20-xx-y-z	20	78	20	70,601.0	810.2	34.78	3.5	2
20-78-21-xx-y-z	20	78	21	74,126.0	850.3	36.50	3.5	2
20-78-22-xx-y-z	20	78	22	77,650.9	890.4	38.23	3.5	2
20-78-23-xx-y-z	20	78	23	81,175.9	930.5	39.96	3.5	2
20-78-24-xx-y-z	20	78	24	84,700.8	970.6	41.69	3.5	2
20-78-25-xx-y-z	20	78	25	88,225.8	1010.7	43.41	3.5	2
20-78-26-xx-y-z	20	78	26	91,750.7	1050.8	45.14	3.5	2
20-78-27-xx-y-z	20	78	27	95,275.7	1091.0	46.87	3.5	2
20-78-28-xx-y-z	20	78	28	98,800.6	1131.1	48.60	3.5	2
20-78-29-xx-y-z	20	78	29	102,325.6	1171.2	50.32	3.5	2
20-78-30-xx-y-z	20	78	30	105,850.5	1211.4	52.05	3.5	2
20-84-03-xx-y-z	20	84	3	11,500.3	139.6	5.78	3.5	2
20-84-04-xx-y-z	20	84	4	15,299.7	182.4	7.63	3.5	2
20-84-05-xx-y-z	20	84	5	19,099.1	225.3	9.48	3.5	2
20-84-06-xx-y-z	20	84	6	22,898.6	268.2	11.33	3.5	2
20-84-07-xx-y-z	20	84	7	26,698.0	311.1	13.18	3.5	2
20-84-08-xx-y-z	20	84	8	30,497.4	354.1	15.03	3.5	2
20-84-09-xx-y-z	20	84	9	34,296.9	397.0	16.88	3.5	2
20-84-10-xx-y-z	20	84	10	38,096.3	440.0	18.73	3.5	2
20-84-11-xx-y-z	20	84	11	41,895.8	482.9	20.58	3.5	2
20-84-12-xx-y-z	20	84	12	45,695.2	525.9	22.43	3.5	2
20-84-13-xx-y-z	20	84	13	49,494.6	568.9	24.27	3.5	2
20-84-14-xx-y-z	20	84	14	53,294.1	611.9	26.12	3.5	2
20-84-15-xx-y-z	20	84	15	57,093.5	654.9	27.97	3.5	2
20-84-16-xx-y-z	20	84	16	60,892.9	697.9	29.82	3.5	2
20-84-17-xx-y-z	20	84	17	64,692.4	741.0	31.67	3.5	2
20-84-18-xx-y-z	20	84	18	68,491.8	784.0	33.52	3.5	2
20-84-19-xx-y-z	20	84	19	72,291.2	827.0	35.37	3.5	2
20-84-20-xx-y-z	20	84	20	76,090.7	870.1	37.22	3.5	2
20-84-21-xx-y-z	20	84	21	79,890.1	913.1	39.07	3.5	2
20-84-22-xx-y-z	20	84	22	83,689.6	956.2	40.92	3.5	2
20-84-23-xx-y-z	20	84	23	87,489.0	999.3	42.77	3.5	2
20-84-24-xx-y-z	20	84	24	91,288.4	1042.4	44.62	3.5	2
20-84-25-xx-y-z	20	84	25	95,087.9	1085.4	46.47	3.5	2
20-84-26-xx-y-z	20	84	26	98,887.3	1128.5	48.32	3.5	2
20-84-27-xx-y-z	20	84	27	102,686.7	1171.6	50.17	3.5	2
20-84-28-xx-y-z	20	84	28	106,486.2	1214.7	52.02	3.5	2
20-84-29-xx-y-z	20	84	29	110,285.6	1257.8	53.87	3.5	2
20-84-30-xx-y-z	20	84	30	114,085.0	1300.9	55.72	3.5	2
20-90-03-xx-y-z	20	90	3	12,323.7	149.1	6.14	3.5	2
20-90-04-xx-y-z	20	90	4	16,397.6	194.9	8.12	3.5	2
20-90-05-xx-y-z	20	90	5	20,471.6	240.8	10.09	3.5	2
20-90-06-xx-y-z	20	90	6	24,545.5	286.7	12.06	3.5	2

Model Number	Panel Width (inches)	Centerline Length (inches)	Number of Panels	Total Panel Area (square inches)	Weight (pounds)	Volume (gallons)	Header O.D. (inches)	Drawing Reference
20-90-07-xx-y-z	20	90	7	28,619.4	332.5	14.03	3.5	2
20-90-08-xx-y-z	20	90	8	32,693.3	378.4	16.00	3.5	2
20-90-09-xx-y-z	20	90	9	36,767.2	424.3	17.98	3.5	2
20-90-10-xx-y-z	20	90	10	40,841.2	470.3	19.95	3.5	2
20-90-11-xx-y-z	20	90	11	44,915.1	516.2	21.92	3.5	2
20-90-12-xx-y-z	20	90	12	48,989.0	562.1	23.89	3.5	2
20-90-13-xx-y-z	20	90	13	53,062.9	608.1	25.87	3.5	2
20-90-14-xx-y-z	20	90	14	57,136.8	654.1	27.84	3.5	2
20-90-15-xx-y-z	20	90	15	61,210.8	700.0	29.81	3.5	2
20-90-16-xx-y-z	20	90	16	65,284.7	746.0	31.78	3.5	2
20-90-17-xx-y-z	20	90	17	69,358.6	792.0	33.75	3.5	2
20-90-18-xx-y-z	20	90	18	73,432.5	838.0	35.73	3.5	2
20-90-19-xx-y-z	20	90	19	77,506.4	884.0	37.70	3.5	2
20-90-20-xx-y-z	20	90	20	81,580.4	930.0	39.67	3.5	2
20-90-21-xx-y-z	20	90	21	85,654.3	976.0	41.64	3.5	2
20-90-22-xx-y-z	20	90	22	89,728.2	1022.1	43.61	3.5	2
20-90-23-xx-y-z	20	90	23	93,802.1	1068.1	45.59	3.5	2
20-90-24-xx-y-z	20	90	24	97,876.0	1114.1	47.56	3.5	2
20-90-25-xx-y-z	20	90	25	101,950.0	1160.2	49.53	3.5	2
20-90-26-xx-y-z	20	90	26	106,023.9	1206.2	51.50	3.5	2
20-90-27-xx-y-z	20	90	27	110,097.8	1252.3	53.47	3.5	2
20-90-28-xx-y-z	20	90	28	114,171.7	1298.3	55.45	3.5	2
20-90-29-xx-y-z	20	90	29	118,245.6	1344.4	57.42	3.5	2
20-90-30-xx-y-z	20	90	30	122,319.6	1390.5	59.39	3.5	2
20-96-03-xx-y-z	20	96	3	13,147.2	158.6	6.51	3.5	2
20-96-04-xx-y-z	20	96	4	17,495.6	207.4	8.61	3.5	2
20-96-05-xx-y-z	20	96	5	21,844.0	256.2	10.70	3.5	2
20-96-06-xx-y-z	20	96	6	26,192.4	305.1	12.79	3.5	2
20-96-07-xx-y-z	20	96	7	30,540.8	353.9	14.89	3.5	2
20-96-08-xx-y-z	20	96	8	34,889.2	402.8	16.98	3.5	2
20-96-09-xx-y-z	20	96	9	39,237.6	451.7	19.08	3.5	2
20-96-10-xx-y-z	20	96	10	43,586.0	500.6	21.17	3.5	2
20-96-11-xx-y-z	20	96	11	47,934.4	549.5	23.27	3.5	2
20-96-12-xx-y-z	20	96	12	52,282.8	598.4	25.36	3.5	2
20-96-13-xx-y-z	20	96	13	56,631.2	647.3	27.46	3.5	2
20-96-14-xx-y-z	20	96	14	60,979.6	696.2	29.55	3.5	2
20-96-15-xx-y-z	20	96	15	65,328.0	745.1	31.64	3.5	2
20-96-16-xx-y-z	20	96	16	69,676.4	794.1	33.74	3.5	2
20-96-17-xx-y-z	20	96	17	74,024.8	843.0	35.83	3.5	2
20-96-18-xx-y-z	20	96	18	78,373.2	892.0	37.93	3.5	2
20-96-19-xx-y-z	20	96	19	82,721.6	941.0	40.02	3.5	2
20-96-20-xx-y-z	20	96	20	87,070.0	989.9	42.12	3.5	2
20-96-21-xx-y-z	20	96	21	91,418.4	1038.9	44.21	3.5	2
20-96-22-xx-y-z	20	96	22	95,766.8	1087.9	46.31	3.5	2
20-96-23-xx-y-z	20	96	23	100,115.2	1136.9	48.40	3.5	2
20-96-24-xx-y-z	20	96	24	104,463.7	1185.9	50.49	3.5	2
20-96-25-xx-y-z	20	96	25	108,812.1	1234.9	52.59	3.5	2
20-96-26-xx-y-z	20	96	26	113,160.5	1283.9	54.68	3.5	2
20-96-27-xx-y-z	20	96	27	117,508.9	1333.0	56.78	3.5	2

Model Number	Panel Width (inches)	Centerline Length (inches)	Number of Panels	Total Panel Area (square inches)	Weight (pounds)	Volume (gallons)	Header O.D. (inches)	Drawing Reference
20-96-28-xx-y-z	20	96	28	121,857.3	1382.0	58.87	3.5	2
20-96-29-xx-y-z	20	96	29	126,205.7	1431.0	60.97	3.5	2
20-96-30-xx-y-z	20	96	30	130,554.1	1480.0	63.06	3.5	2
20-102-03-xx-y-z	20	102	3	13,970.6	168.1	6.88	3.5	2
20-102-04-xx-y-z	20	102	4	18,593.5	219.9	9.10	3.5	2
20-102-05-xx-y-z	20	102	5	23,216.4	271.7	11.31	3.5	2
20-102-06-xx-y-z	20	102	6	27,839.3	323.5	13.53	3.5	2
20-102-07-xx-y-z	20	102	7	32,462.2	375.3	15.75	3.5	2
20-102-08-xx-y-z	20	102	8	37,085.1	427.2	17.96	3.5	2
20-102-09-xx-y-z	20	102	9	41,708.0	479.0	20.18	3.5	2
20-102-10-xx-y-z	20	102	10	46,330.8	530.8	22.40	3.5	2
20-102-11-xx-y-z	20	102	11	50,953.7	582.7	24.61	3.5	2
20-102-12-xx-y-z	20	102	12	55,576.6	634.6	26.83	3.5	2
20-102-13-xx-y-z	20	102	13	60,199.5	686.5	29.05	3.5	2
20-102-14-xx-y-z	20	102	14	64,822.4	738.4	31.26	3.5	2
20-102-15-xx-y-z	20	102	15	69,445.3	790.3	33.48	3.5	2
20-102-16-xx-y-z	20	102	16	74,068.2	842.2	35.70	3.5	2
20-102-17-xx-y-z	20	102	17	78,691.1	894.1	37.91	3.5	2
20-102-18-xx-y-z	20	102	18	83,313.9	946.0	40.13	3.5	2
20-102-19-xx-y-z	20	102	19	87,936.8	998.0	42.35	3.5	2
20-102-20-xx-y-z	20	102	20	92,559.7	1049.9	44.56	3.5	2
20-102-21-xx-y-z	20	102	21	97,182.6	1101.8	46.78	3.5	2
20-102-22-xx-y-z	20	102	22	101,805.5	1153.8	49.00	3.5	2
20-102-23-xx-y-z	20	102	23	106,428.4	1205.8	51.21	3.5	2
20-102-24-xx-y-z	20	102	24	111,051.3	1257.7	53.43	3.5	2
20-102-25-xx-y-z	20	102	25	115,674.2	1309.7	55.65	3.5	2
20-102-26-xx-y-z	20	102	26	120,297.0	1361.7	57.86	3.5	2
20-102-27-xx-y-z	20	102	27	124,919.9	1413.7	60.08	3.5	2
20-102-28-xx-y-z	20	102	28	129,542.8	1465.7	62.30	3.5	2
20-102-29-xx-y-z	20	102	29	134,165.7	1517.6	64.51	3.5	2
20-102-30-xx-y-z	20	102	30	138,788.6	1569.6	66.73	3.5	2
20-108-03-xx-y-z	20	108	3	14,794.1	177.6	7.25	3.5	2
20-108-04-xx-y-z	20	108	4	19,691.4	232.4	9.58	3.5	2
20-108-05-xx-y-z	20	108	5	24,588.8	287.1	11.92	3.5	2
20-108-06-xx-y-z	20	108	6	29,486.2	341.9	14.26	3.5	2
20-108-07-xx-y-z	20	108	7	34,383.6	396.7	16.60	3.5	2
20-108-08-xx-y-z	20	108	8	39,280.9	451.5	18.94	3.5	2
20-108-09-xx-y-z	20	108	9	44,178.3	506.3	21.28	3.5	2
20-108-10-xx-y-z	20	108	10	49,075.7	561.1	23.62	3.5	2
20-108-11-xx-y-z	20	108	11	53,973.0	616.0	25.96	3.5	2
20-108-12-xx-y-z	20	108	12	58,870.4	670.8	28.30	3.5	2
20-108-13-xx-y-z	20	108	13	63,767.8	725.7	30.64	3.5	2
20-108-14-xx-y-z	20	108	14	68,665.2	780.5	32.98	3.5	2
20-108-15-xx-y-z	20	108	15	73,562.5	835.4	35.31	3.5	2
20-108-16-xx-y-z	20	108	16	78,459.9	890.3	37.65	3.5	2
20-108-17-xx-y-z	20	108	17	83,357.3	945.2	39.99	3.5	2
20-108-18-xx-y-z	20	108	18	88,254.7	1000.0	42.33	3.5	2
20-108-19-xx-y-z	20	108	19	93,152.0	1054.9	44.67	3.5	2
20-108-20-xx-y-z	20	108	20	98,049.4	1109.9	47.01	3.5	2

Model Number	Panel Width (inches)	Centerline Length (inches)	Number of Panels	Total Panel Area (square inches)	Weight (pounds)	Volume (gallons)	Header O.D. (inches)	Drawing Reference
20-108-21-xx-y-z	20	108	21	102,946.8	1164.8	49.35	3.5	2
20-108-22-xx-y-z	20	108	22	107,844.1	1219.7	51.69	3.5	2
20-108-23-xx-y-z	20	108	23	112,741.5	1274.6	54.03	3.5	2
20-108-24-xx-y-z	20	108	24	117,638.9	1329.5	56.37	3.5	2
20-108-25-xx-y-z	20	108	25	122,536.3	1384.5	58.70	3.5	2
20-108-26-xx-y-z	20	108	26	127,433.6	1439.4	61.04	3.5	2
20-108-27-xx-y-z	20	108	27	132,331.0	1494.4	63.38	3.5	2
20-108-28-xx-y-z	20	108	28	137,228.4	1549.3	65.72	3.5	2
20-108-29-xx-y-z	20	108	29	142,125.7	1604.3	68.06	3.5	2
20-108-30-xx-y-z	20	108	30	147,023.1	1659.2	70.40	3.5	2
20-114-03-xx-y-z	20	114	3	15,617.5	187.1	7.61	3.5	2
20-114-04-xx-y-z	20	114	4	20,789.4	244.9	10.07	3.5	2
20-114-05-xx-y-z	20	114	5	25,961.2	302.6	12.54	3.5	2
20-114-06-xx-y-z	20	114	6	31,133.1	360.3	15.00	3.5	2
20-114-07-xx-y-z	20	114	7	36,305.0	418.1	17.46	3.5	2
20-114-08-xx-y-z	20	114	8	41,476.8	475.9	19.92	3.5	2
20-114-09-xx-y-z	20	114	9	46,648.7	533.7	22.38	3.5	2
20-114-10-xx-y-z	20	114	10	51,820.5	591.4	24.84	3.5	2
20-114-11-xx-y-z	20	114	11	56,992.4	649.2	27.30	3.5	2
20-114-12-xx-y-z	20	114	12	62,164.2	707.1	29.76	3.5	2
20-114-13-xx-y-z	20	114	13	67,336.1	764.9	32.23	3.5	2
20-114-14-xx-y-z	20	114	14	72,507.9	822.7	34.69	3.5	2
20-114-15-xx-y-z	20	114	15	77,679.8	880.5	37.15	3.5	2
20-114-16-xx-y-z	20	114	16	82,851.7	938.4	39.61	3.5	2
20-114-17-xx-y-z	20	114	17	88,023.5	996.2	42.07	3.5	2
20-114-18-xx-y-z	20	114	18	93,195.4	1054.1	44.53	3.5	2
20-114-19-xx-y-z	20	114	19	98,367.2	1111.9	46.99	3.5	2
20-114-20-xx-y-z	20	114	20	103,539.1	1169.8	49.46	3.5	2
20-114-21-xx-y-z	20	114	21	108,710.9	1227.7	51.92	3.5	2
20-114-22-xx-y-z	20	114	22	113,882.8	1285.6	54.38	3.5	2
20-114-23-xx-y-z	20	114	23	119,054.6	1343.5	56.84	3.5	2
20-114-24-xx-y-z	20	114	24	124,226.5	1401.4	59.30	3.5	2
20-114-25-xx-y-z	20	114	25	129,398.4	1459.3	61.76	3.5	2
20-114-26-xx-y-z	20	114	26	134,570.2	1517.2	64.22	3.5	2
20-114-27-xx-y-z	20	114	27	139,742.1	1575.1	66.69	3.5	2
20-114-28-xx-y-z	20	114	28	144,913.9	1633.0	69.15	3.5	2
20-114-29-xx-y-z	20	114	29	150,085.8	1690.9	71.61	3.5	2
20-114-30-xx-y-z	20	114	30	155,257.6	1748.9	74.07	3.5	2
20-120-03-xx-y-z	20	120	3	16,441.0	196.6	7.98	3.5	2
20-120-04-xx-y-z	20	120	4	21,887.3	257.3	10.56	3.5	2
20-120-05-xx-y-z	20	120	5	27,333.7	318.0	13.15	3.5	2
20-120-06-xx-y-z	20	120	6	32,780.0	378.8	15.73	3.5	2
20-120-07-xx-y-z	20	120	7	38,226.3	439.5	18.31	3.5	2
20-120-08-xx-y-z	20	120	8	43,672.7	500.2	20.90	3.5	2
20-120-09-xx-y-z	20	120	9	49,119.0	561.0	23.48	3.5	2
20-120-10-xx-y-z	20	120	10	54,565.4	621.7	26.07	3.5	2
20-120-11-xx-y-z	20	120	11	60,011.7	682.5	28.65	3.5	2
20-120-12-xx-y-z	20	120	12	65,458.0	743.3	31.23	3.5	2
20-120-13-xx-y-z	20	120	13	70,904.4	804.1	33.82	3.5	2

Model Number	Panel Width (inches)	Centerline Length (inches)	Number of Panels	Total Panel Area (square inches)	Weight (pounds)	Volume (gallons)	Header O.D. (inches)	Drawing Reference
20-120-14-xx-y-z	20	120	14	76,350.7	864.9	36.40	3.5	2
20-120-15-xx-y-z	20	120	15	81,797.1	925.7	38.98	3.5	2
20-120-16-xx-y-z	20	120	16	87,243.4	986.5	41.57	3.5	2
20-120-17-xx-y-z	20	120	17	92,689.7	1047.3	44.15	3.5	2
20-120-18-xx-y-z	20	120	18	98,136.1	1108.1	46.74	3.5	2
20-120-19-xx-y-z	20	120	19	103,582.4	1168.9	49.32	3.5	2
20-120-20-xx-y-z	20	120	20	109,028.8	1229.8	51.90	3.5	2
20-120-21-xx-y-z	20	120	21	114,475.1	1290.6	54.49	3.5	2
20-120-22-xx-y-z	20	120	22	119,921.4	1351.5	57.07	3.5	2
20-120-23-xx-y-z	20	120	23	125,367.8	1412.3	59.65	3.5	2
20-120-24-xx-y-z	20	120	24	130,814.1	1473.2	62.24	3.5	2
20-120-25-xx-y-z	20	120	25	136,260.4	1534.1	64.82	3.5	2
20-120-26-xx-y-z	20	120	26	141,706.8	1594.9	67.41	3.5	2
20-120-27-xx-y-z	20	120	27	147,153.1	1655.8	69.99	3.5	2
20-120-28-xx-y-z	20	120	28	152,599.5	1716.7	72.57	3.5	2
20-120-29-xx-y-z	20	120	29	158,045.8	1777.6	75.16	3.5	2
20-120-30-xx-y-z	20	120	30	163,492.1	1838.5	77.74	3.5	2
20-126-03-xx-y-z	20	126	3	17,264.4	206.1	8.35	3.5	2
20-126-04-xx-y-z	20	126	4	22,985.3	269.8	11.05	3.5	2
20-126-05-xx-y-z	20	126	5	28,706.1	333.5	13.76	3.5	2
20-126-06-xx-y-z	20	126	6	34,426.9	397.2	16.46	3.5	2
20-126-07-xx-y-z	20	126	7	40,147.7	460.9	19.17	3.5	2
20-126-08-xx-y-z	20	126	8	45,868.5	524.6	21.88	3.5	2
20-126-09-xx-y-z	20	126	9	51,589.4	588.3	24.58	3.5	2
20-126-10-xx-y-z	20	126	10	57,310.2	652.1	27.29	3.5	2
20-126-11-xx-y-z	20	126	11	63,031.0	715.8	29.99	3.5	2
20-126-12-xx-y-z	20	126	12	68,751.8	779.5	32.70	3.5	2
20-126-13-xx-y-z	20	126	13	74,472.7	843.3	35.41	3.5	2
20-126-14-xx-y-z	20	126	14	80,193.5	907.0	38.11	3.5	2
20-126-15-xx-y-z	20	126	15	85,914.3	970.8	40.82	3.5	2
20-126-16-xx-y-z	20	126	16	91,635.1	1034.6	43.53	3.5	2
20-126-17-xx-y-z	20	126	17	97,356.0	1098.4	46.23	3.5	2
20-126-18-xx-y-z	20	126	18	103,076.8	1162.2	48.94	3.5	2
20-126-19-xx-y-z	20	126	19	108,797.6	1226.0	51.64	3.5	2
20-126-20-xx-y-z	20	126	20	114,518.4	1289.8	54.35	3.5	2
20-126-21-xx-y-z	20	126	21	120,239.3	1353.6	57.06	3.5	2
20-126-22-xx-y-z	20	126	22	125,960.1	1417.4	59.76	3.5	2
20-126-23-xx-y-z	20	126	23	131,680.9	1481.2	62.47	3.5	2
20-126-24-xx-y-z	20	126	24	137,401.7	1545.0	65.17	3.5	2
20-126-25-xx-y-z	20	126	25	143,122.5	1608.9	67.88	3.5	2
20-126-26-xx-y-z	20	126	26	148,843.4	1672.7	70.59	3.5	2
20-126-27-xx-y-z	20	126	27	154,564.2	1736.6	73.29	3.5	2
20-126-28-xx-y-z	20	126	28	160,285.0	1800.4	76.00	3.5	2
20-126-29-xx-y-z	20	126	29	166,005.8	1864.3	78.70	3.5	2
20-126-30-xx-y-z	20	126	30	171,726.7	1928.1	81.41	3.5	2
20-132-03-xx-y-z	20	132	3	18,087.9	215.7	8.71	3.5	2
20-132-04-xx-y-z	20	132	4	24,083.2	282.3	11.54	3.5	2
20-132-05-xx-y-z	20	132	5	30,078.5	349.0	14.37	3.5	2
20-132-06-xx-y-z	20	132	6	36,073.8	415.6	17.20	3.5	2

Model Number	Panel Width (inches)	Centerline Length (inches)	Number of Panels	Total Panel Area (square inches)	Weight (pounds)	Volume (gallons)	Header O.D. (inches)	Drawing Reference
20-132-07-xx-y-z	20	132	7	42,069.1	482.3	20.03	3.5	2
20-132-08-xx-y-z	20	132	8	48,064.4	549.0	22.86	3.5	2
20-132-09-xx-y-z	20	132	9	54,059.7	615.7	25.68	3.5	2
20-132-10-xx-y-z	20	132	10	60,055.0	682.4	28.51	3.5	2
20-132-11-xx-y-z	20	132	11	66,050.3	749.1	31.34	3.5	2
20-132-12-xx-y-z	20	132	12	72,045.6	815.8	34.17	3.5	2
20-132-13-xx-y-z	20	132	13	78,041.0	882.5	37.00	3.5	2
20-132-14-xx-y-z	20	132	14	84,036.3	949.2	39.83	3.5	2
20-132-15-xx-y-z	20	132	15	90,031.6	1016.0	42.65	3.5	2
20-132-16-xx-y-z	20	132	16	96,026.9	1082.7	45.48	3.5	2
20-132-17-xx-y-z	20	132	17	102,022.2	1149.5	48.31	3.5	2
20-132-18-xx-y-z	20	132	18	108,017.5	1216.2	51.14	3.5	2
20-132-19-xx-y-z	20	132	19	114,012.8	1283.0	53.97	3.5	2
20-132-20-xx-y-z	20	132	20	120,008.1	1349.7	56.80	3.5	2
20-132-21-xx-y-z	20	132	21	126,003.4	1416.5	59.62	3.5	2
20-132-22-xx-y-z	20	132	22	131,998.7	1483.3	62.45	3.5	2
20-132-23-xx-y-z	20	132	23	137,994.0	1550.1	65.28	3.5	2
20-132-24-xx-y-z	20	132	24	143,989.3	1616.9	68.11	3.5	2
20-132-25-xx-y-z	20	132	25	149,984.6	1683.7	70.94	3.5	2
20-132-26-xx-y-z	20	132	26	155,980.0	1750.5	73.77	3.5	2
20-132-27-xx-y-z	20	132	27	161,975.3	1817.3	76.59	3.5	2
20-132-28-xx-y-z	20	132	28	167,970.6	1884.1	79.42	3.5	2
20-132-29-xx-y-z	20	132	29	173,965.9	1951.0	82.25	3.5	2
20-132-30-xx-y-z	20	132	30	179,961.2	2017.8	85.08	3.5	2
20-138-03-xx-y-z	20	138	3	18,911.3	225.2	9.08	3.5	2
20-138-04-xx-y-z	20	138	4	25,181.1	294.8	12.03	3.5	2
20-138-05-xx-y-z	20	138	5	31,450.9	364.4	14.98	3.5	2
20-138-06-xx-y-z	20	138	6	37,720.7	434.0	17.93	3.5	2
20-138-07-xx-y-z	20	138	7	43,990.5	503.7	20.88	3.5	2
20-138-08-xx-y-z	20	138	8	50,260.3	573.3	23.83	3.5	2
20-138-09-xx-y-z	20	138	9	56,530.1	643.0	26.78	3.5	2
20-138-10-xx-y-z	20	138	10	62,799.9	712.7	29.74	3.5	2
20-138-11-xx-y-z	20	138	11	69,069.7	782.3	32.69	3.5	2
20-138-12-xx-y-z	20	138	12	75,339.5	852.0	35.64	3.5	2
20-138-13-xx-y-z	20	138	13	81,609.2	921.7	38.59	3.5	2
20-138-14-xx-y-z	20	138	14	87,879.0	991.4	41.54	3.5	2
20-138-15-xx-y-z	20	138	15	94,148.8	1061.1	44.49	3.5	2
20-138-16-xx-y-z	20	138	16	100,418.6	1130.8	47.44	3.5	2
20-138-17-xx-y-z	20	138	17	106,688.4	1200.5	50.39	3.5	2
20-138-18-xx-y-z	20	138	18	112,958.2	1270.3	53.34	3.5	2
20-138-19-xx-y-z	20	138	19	119,228.0	1340.0	56.29	3.5	2
20-138-20-xx-y-z	20	138	20	125,497.8	1409.7	59.24	3.5	2
20-138-21-xx-y-z	20	138	21	131,767.6	1479.5	62.19	3.5	2
20-138-22-xx-y-z	20	138	22	138,037.4	1549.2	65.14	3.5	2
20-138-23-xx-y-z	20	138	23	144,307.2	1619.0	68.09	3.5	2
20-138-24-xx-y-z	20	138	24	150,577.0	1688.7	71.05	3.5	2
20-138-25-xx-y-z	20	138	25	156,846.7	1758.5	74.00	3.5	2
20-138-26-xx-y-z	20	138	26	163,116.5	1828.3	76.95	3.5	2

Model Number	Panel Width (inches)	Centerline Length (inches)	Number of Panels	Total Panel Area (square inches)	Weight (pounds)	Volume (gallons)	Header O.D. (inches)	Drawings Reference
I38-27-xx-y-z	20	138	27	169,386.3	1898.1	79.90	3.5	2
I38-28-xx-y-z	20	138	28	175,656.1	1967.9	82.85	3.5	2
I38-29-xx-y-z	20	138	29	181,925.9	2037.6	85.80	3.5	2
I38-30-xx-y-z	20	138	30	188,195.7	2107.4	88.75	3.5	2

NOTES

NOTES



Panel Radiators



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Laurel, Mississippi
Telephone: 601-425-3151
Fax: 601-649-8090
E-mail: mkt@howard.com
Web: howardtransformers.com