



# THERMAL RATINGS

## Thermal Ratings - RHB 38

The Thermal HP ratings shown in the table below are based on an ambient temperature of 68° F, continuous operation and fan cooled motors as well as with the standard ISO220 factory filled lubricant. For ratings at other ambient temperatures, please consult Thermal Factors table below.

If using with different lubricants, please contact Application Engineering. Shaded areas indicate that the unit is thermally limited.

Ratio	1750 RPM							3450 RPM						
	Output Speed	Rated Power	Mounting Position					Output Speed	Rated Power	Mounting Position				
			A1	A2	A3	A4	A5 A6			A1	A2	A3	A4	A5 A6
RPM	HP	HP	HP	HP	HP	HP	RPM	HP	HP	HP	HP	HP	HP	
5.65	309.6	5.60	13.1	12.9	12.9	12.8	12.9	610.3	6.99	11.0	10.2	10.3	9.8	9.9
6.22	281.4	5.26	13.0	12.9	12.9	12.7	12.8	554.8	6.57	11.3	10.7	10.8	10.3	10.5
7.22	242.3	4.76	12.3	12.2	12.3	12.2	12.2	477.7	5.95	11.2	10.8	10.8	10.5	10.6
7.82	223.8	4.51	12.4	12.3	12.3	12.2	12.3	441.2	5.65	11.5	11.2	11.2	10.9	11.0
8.85	197.8	4.15	11.8	11.8	11.8	11.7	11.7	390.0	5.21	11.3	11.0	11.0	10.8	10.9
9.72	180.0	3.90	11.5	11.4	11.4	11.4	11.4	354.9	4.89	11.1	10.9	11.0	10.8	10.8
10.72	163.2	3.64	11.1	11.0	11.0	11.0	11.0	321.8	4.58	10.9	10.7	10.8	10.6	10.7
11.50	152.2	5.34	11.2	11.1	11.1	11.0	11.0	300.0	6.99	9.9	9.2	9.5	9.1	9.2
12.65	138.3	4.86	11.1	11.0	11.1	10.9	11.0	272.7	6.57	10.0	9.5	9.8	9.4	9.5
14.69	119.1	4.18	10.5	10.4	10.5	10.4	10.4	234.8	5.95	9.9	9.5	9.7	9.4	9.5
15.91	110.0	3.86	10.5	10.5	10.5	10.4	10.4	216.8	5.65	10.0	9.7	9.9	9.7	9.7
17.99	97.3	3.41	10.1	10.0	10.0	10.0	10.0	191.7	5.21	9.8	9.5	9.7	9.5	9.5
19.78	88.5	3.11	9.8	9.7	9.8	9.7	9.7	174.5	4.89	9.6	9.4	9.6	9.4	9.4
21.81	80.2	2.82	9.4	9.4	9.4	9.4	9.4	158.2	4.58	9.4	9.3	9.4	9.2	9.2
24.16	72.4	2.54	9.1	9.0	9.1	9.0	9.0	142.8	4.27	9.2	9.0	9.1	9.0	9.0
26.90	65.1	2.28	8.7	8.7	8.7	8.7	8.7	128.2	3.97	8.9	8.8	8.8	8.7	8.8
28.72	60.9	2.14	7.6	7.5	7.6	7.5	7.5	120.1	4.07	7.0	6.6	6.8	6.7	6.6
31.59	55.4	1.94	7.5	7.4	7.5	7.4	7.4	109.2	3.80	7.0	6.7	6.9	6.8	6.7
36.69	47.7	1.67	7.1	7.1	7.1	7.1	7.1	94.0	3.30	6.9	6.6	6.8	6.7	6.6
39.73	44.0	1.55	7.1	7.1	7.1	7.1	7.1	86.8	3.05	6.9	6.7	6.8	6.7	6.7
44.94	38.9	1.37	6.8	6.8	6.8	6.8	6.8	76.8	2.70	6.7	6.5	6.7	6.6	6.6
49.38	35.4	1.24	6.6	6.6	6.6	6.6	6.6	69.9	2.45	6.6	6.5	6.6	6.5	6.5
54.47	32.1	1.13	6.4	6.4	6.4	6.4	6.4	63.3	2.22	6.4	6.3	6.4	6.4	6.3
60.33	29.0	1.02	6.2	6.2	6.2	6.2	6.2	57.2	2.01	6.3	6.2	6.2	6.2	6.2
67.18	26.1	0.91	6.0	5.9	6.0	5.9	5.9	51.4	1.80	6.1	6.0	6.1	6.0	6.0
77.09	22.7	0.80	5.8	5.8	5.8	5.8	5.8	44.8	1.57	5.9	5.9	5.9	5.9	5.9
85.33	20.5	0.72	5.5	5.5	5.5	5.5	5.5	40.4	1.42	5.7	5.6	5.7	5.6	5.6
97.05	18.0	0.63	5.1	5.1	5.1	5.1	5.1	35.5	1.25	5.3	5.3	5.3	5.3	5.3
110.75	15.8	0.55	5.1	5.1	5.1	5.1	5.1	31.2	1.09	5.4	5.4	5.4	5.4	5.4
124.78	14.0	0.49	4.8	4.8	4.8	4.8	4.8	27.6	0.97	5.1	5.1	5.1	5.1	5.1
139.43	12.6	0.44	4.6	4.6	4.6	4.6	4.6	24.7	0.87	4.9	4.9	4.9	4.9	4.9
159.04	11.0	0.39	4.3	4.3	4.3	4.3	4.3	21.7	0.76	4.6	4.6	4.6	4.6	4.6
179.13	9.8	0.34	4.1	4.1	4.1	4.1	4.1	19.3	0.68	4.4	4.3	4.4	4.3	4.3

RHB Thermal Factors	
Ambient Temp (Deg. F)	Thermal Factor
0	1.83
20	1.59
40	1.27
60	1.11
68	1.00
80	0.87
100	0.65
120	0.43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: RHB 38, 14.69:1, 1750 RPM input speed, 140TC motor frame at 120 degree F ambient, A5 mounting position:

According to the table above, this unit is capable of 10.4 HP Thermally at 68 degree F. To convert this to the capability at 120 degrees F, multiply the rating by the factor in the Thermal Factors table (0.43). Actual Thermal Rating is 10.4\*0.43 = 4.47 HP. The mechanical rating for the RHB 38, 14.69, 140TC frame is 4.18 HP. This unit is not thermally limited.

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# THERMAL RATINGS

## Thermal Ratings - RHB 48

The Thermal HP ratings shown in the table below are based on an ambient temperature of 68° F, continuous operation and fan cooled motors as well as with the standard ISO220 factory filled lubricant. For ratings at other ambient temperatures, please consult Thermal Factors table below.

If using with different lubricants, please contact Application Engineering. Shaded areas indicate that the unit is thermally limited.

Ratio	1750 RPM							3450 RPM						
	Output Speed	Rated Power	Mounting Position					Output Speed	Rated Power	Mounting Position				
			A1	A2	A3	A4	A5 A6			A1	A2	A3	A4	A5 A6
7.22	242.3	9.90	16.1	15.9	15.9	15.7	15.8	477.7	12.95	13.7	12.8	12.9	12.2	12.5
8.40	208.4	8.51	15.6	15.8	15.8	15.3	15.4	410.8	11.71	13.9	13.3	13.4	12.9	13.1
9.32	187.8	7.67	14.9	14.9	14.9	14.7	14.8	370.2	10.92	13.7	13.3	13.3	12.9	13.1
10.15	172.4	7.04	15.1	15.1	15.0	14.9	15.0	340.0	10.31	14.1	14.2	13.9	13.5	13.7
11.95	146.4	8.70	13.8	13.6	13.7	13.5	13.6	288.6	12.95	12.1	11.4	11.7	11.1	11.3
13.90	125.9	7.83	13.2	13.1	13.2	13.0	13.1	248.2	11.71	12.1	11.6	11.9	11.4	11.6
15.42	113.5	7.17	12.6	12.5	12.6	12.5	12.5	223.7	10.92	11.9	11.4	11.6	11.3	11.4
16.79	104.2	6.59	12.7	12.6	12.6	12.5	12.6	205.4	10.31	12.1	11.8	12.0	11.6	11.8
18.78	93.2	5.89	12.0	12.0	12.0	12.0	12.0	183.7	9.56	11.7	11.5	11.6	11.4	11.5
20.54	85.2	5.39	11.6	11.5	11.6	11.5	11.5	168.0	9.00	11.4	11.2	11.3	11.1	11.2
22.54	77.6	4.91	11.1	11.1	11.1	11.1	11.1	153.1	8.45	11.1	11.0	11.1	10.9	11.0
24.85	70.4	4.45	10.8	10.7	10.8	10.7	10.7	138.8	7.91	10.9	10.8	10.8	10.7	10.8
27.55	63.5	4.02	10.3	10.3	10.3	10.2	10.3	125.2	7.37	10.5	10.4	10.5	10.3	10.4
28.90	60.6	3.83	10.0	9.9	10.0	9.9	9.9	119.4	6.70	9.2	8.7	9.0	8.8	8.7
33.60	52.1	3.29	9.6	9.5	9.6	9.5	9.5	102.7	6.02	9.1	8.7	9.0	8.8	8.7
37.28	46.9	2.97	9.2	9.1	9.2	9.1	9.1	92.5	5.60	8.8	8.5	8.7	8.6	8.6
40.60	43.1	2.73	9.2	9.1	9.2	9.1	9.1	85.0	5.28	8.9	8.7	8.9	8.7	8.7
45.41	38.5	2.44	8.8	8.7	8.8	8.7	8.7	76.0	4.80	8.6	8.4	8.6	8.5	8.5
49.65	35.2	2.23	8.4	8.4	8.4	8.4	8.4	69.5	4.39	8.4	8.3	8.4	8.3	8.3
54.49	32.1	2.03	8.1	8.1	8.1	8.1	8.1	63.3	4.00	8.2	8.1	8.2	8.1	8.1
60.08	29.1	1.84	7.9	7.9	7.9	7.9	7.9	57.4	3.63	8.0	7.9	8.0	7.9	7.9
66.60	26.3	1.66	7.6	7.5	7.6	7.5	7.5	51.8	3.27	7.7	7.7	7.7	7.7	7.7
75.45	23.2	1.47	7.4	7.3	7.4	7.3	7.3	45.7	2.89	7.6	7.5	7.6	7.5	7.5
83.25	21.0	1.33	6.9	6.9	6.9	6.9	6.9	41.4	2.62	7.2	7.2	7.2	7.2	7.2
94.12	18.6	1.18	6.5	6.5	6.5	6.5	6.5	36.7	2.32	6.8	6.8	6.8	6.8	6.8
107.47	16.3	1.03	6.5	6.4	6.5	6.4	6.4	32.1	2.03	6.8	6.8	6.8	6.8	6.8
122.19	14.3	0.91	6.0	6.0	6.0	6.0	6.0	28.2	1.78	6.4	6.4	6.4	6.4	6.3
130.78	13.4	0.85	5.9	5.9	5.9	5.9	5.9	26.4	1.67	6.3	6.2	6.3	6.2	6.2
150.76	11.6	0.73	5.6	5.6	5.6	5.6	5.6	22.9	1.45	6.0	6.0	6.0	6.0	6.0
169.53	10.3	0.65	5.3	5.3	5.4	5.3	5.3	20.4	1.29	5.7	5.7	5.8	5.7	5.7

RHB Thermal Factors	
Ambient Temp (Deg. F)	Thermal Factor
0	1.83
20	1.59
40	1.27
60	1.11
68	1.00
80	0.87
100	0.65
120	0.43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: RHB 48, 11.95:1, 3450 RPM input speed, 180TC motor frame at 100 degree F ambient, A1 mounting position:

According to the table above, this unit is capable of 12.1 HP Thermally at 68 degree F. To convert this to the capability at 100 degrees F, multiply the rating by the factor in the Thermal Factors table (0.65). Actual Thermal Rating is  $12.1 \times 0.65 = 7.87$  HP. The mechanical rating for the RHB 48, 11.95, 180TC frame is 12.95 HP. This unit is now thermally limited to 7.87 HP.

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# THERMAL RATINGS

## Thermal Ratings - RHB 68

The Thermal HP ratings shown in the table below are based on an ambient temperature of 68° F, continuous operation and fan cooled motors as well as with the standard ISO220 factory filled lubricant. For ratings at other ambient temperatures, please consult Thermal Factors table below.

If using with different lubricants, please contact Application Engineering. Shaded areas indicate that the unit is thermally limited.

Ratio	1750 RPM							3450 RPM						
	Output Speed	Rated Power	Mounting Position					Output Speed	Rated Power	Mounting Position				
			A1	A2	A3	A4	A5 A6			A1	A2	A3	A4	A5 A6
RPM	HP	HP	HP	HP	HP	HP	RPM	HP	HP	HP	HP	HP	HP	
5.36	326.4	13.88	28.8	30.7	30.3	29.8	30.3	643.5	23.72	24.5	21.2	19.8	17.6	18.9
6.44	271.7	13.88	29.7	29.6	29.5	29.1	29.5	535.6	20.98	26.3	25.7	23.3	21.9	22.7
7.58	230.8	13.88	28.8	28.9	28.7	28.4	28.7	454.9	18.80	27.2	25.8	25.2	24.3	24.9
8.50	205.9	13.88	28.5	29.2	28.5	28.2	28.4	406.0	17.41	27.8	27.0	26.4	25.5	26.1
9.52	183.8	13.76	27.6	27.8	27.7	27.5	27.5	362.3	16.11	27.7	27.0	26.6	26.1	27.6
10.40	168.3	12.94	26.7	26.8	27.3	26.6	27.3	331.9	15.18	27.3	26.7	26.4	25.9	26.3
11.94	146.5	13.71	22.3	22.3	22.4	22.0	22.2	288.9	20.49	19.5	17.0	18.0	16.5	16.8
14.35	122.0	12.06	21.2	21.2	21.3	21.1	21.2	240.4	18.02	20.1	18.4	19.1	18.1	18.3
16.89	103.6	10.75	20.3	20.4	20.4	20.3	20.3	204.2	16.08	20.2	19.1	19.6	18.9	19.1
18.93	92.4	9.93	19.9	20.0	20.0	19.9	19.9	182.3	14.85	20.3	19.5	19.9	19.3	19.5
21.22	82.5	9.17	19.2	19.3	19.3	19.2	19.3	162.6	13.71	20.0	19.4	19.7	19.3	19.4
23.16	75.6	8.62	18.5	18.6	18.6	18.5	18.6	149.0	12.89	19.5	19.1	19.3	19.0	19.1
25.42	68.8	7.93	18.1	18.2	18.2	18.1	18.1	135.7	12.08	19.3	18.9	19.1	18.9	18.9
27.99	62.5	7.20	17.2	17.3	17.3	17.3	17.3	123.2	11.29	18.6	18.4	18.5	18.3	18.3
30.38	57.6	6.42	16.6	16.7	16.7	16.7	16.7	113.6	10.66	18.2	18.0	18.1	17.9	18.0
32.78	53.4	6.15	15.0	14.9	15.0	14.9	14.9	105.2	8.90	14.6	13.0	13.7	13.6	13.1
39.39	44.4	5.12	14.2	14.1	14.2	14.2	14.1	87.6	7.83	14.3	13.2	13.8	13.7	13.3
46.37	37.7	4.35	13.5	13.5	13.6	13.6	13.5	74.4	6.98	14.0	13.3	13.7	13.6	13.4
51.96	33.7	3.88	13.2	13.3	13.3	13.3	13.2	66.4	6.45	13.9	13.4	13.7	13.6	13.5
58.23	30.1	3.46	12.8	12.8	12.9	12.8	12.8	59.2	5.95	13.6	13.2	13.5	13.3	13.2
63.57	27.5	3.17	12.3	12.4	12.4	12.4	12.4	54.3	5.60	13.2	13.0	13.1	13.0	13.0
69.78	25.1	2.89	12.1	12.1	12.1	12.1	12.1	49.4	5.25	13.0	12.8	13.0	12.9	12.8
76.84	22.8	2.62	11.6	11.6	11.6	11.6	11.6	44.9	4.90	12.6	12.4	12.5	12.5	12.4
83.40	21.0	2.42	11.2	11.3	11.3	11.3	11.3	41.4	4.63	12.3	12.1	12.2	12.2	12.1
90.89	19.3	2.22	10.8	10.9	10.9	10.9	10.9	38.0	4.36	11.9	11.8	11.9	11.8	11.8
99.55	17.6	2.03	10.4	10.5	10.5	10.5	10.5	34.7	3.99	11.5	11.4	11.5	11.5	11.4
109.64	16.0	1.84	10.0	10.1	10.1	10.1	10.1	31.5	3.62	11.1	11.1	11.1	11.1	11.1
126.09	13.9	1.60	9.5	9.6	9.6	9.6	9.6	27.4	3.15	10.7	10.6	10.7	10.6	10.6
136.60	12.8	1.48	9.1	9.2	9.2	9.1	9.1	25.3	2.91	10.3	10.2	10.2	10.2	10.2
150.98	11.6	1.34	8.7	8.7	8.7	8.7	8.7	22.9	2.63	9.8	9.8	9.8	9.8	9.8
176.14	9.9	1.14	8.3	8.3	8.3	8.3	8.3	19.6	2.26	9.4	9.4	9.4	9.4	9.4
196.07	8.9	1.03	7.8	7.9	7.9	7.9	7.9	17.6	2.03	9.0	8.9	9.0	9.0	8.9
215.68	8.1	0.93	7.5	7.5	7.5	7.5	7.5	16.0	1.84	8.6	8.6	8.6	8.6	8.6
243.72	7.2	0.83	7.0	7.0	7.0	7.0	7.0	14.2	1.63	8.1	8.1	8.1	8.1	8.1

RHB Thermal Factors	
Ambient Temp (Deg. F)	Thermal Factor
0	1.83
20	1.59
40	1.27
60	1.11
68	1.00
80	0.87
100	0.65
120	0.43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: RHB 68, 69.78:1, 1750 RPM input speed, 180TC motor frame at 20 degree F ambient, A2 mounting position:

According to the table above, this unit is capable of 12.1 HP Thermally at 68 degree F. To convert this to the capability at 20 degrees F, multiply the rating by the factor in the Thermal Factors table (1.59). Actual Thermal Rating is 12.1\*1.59 = 19.2 HP. The mechanical rating for the RHB 68, 69.78, 180TC frame is 2.89 HP. This unit is not thermally limited.

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# THERMAL RATINGS

## Thermal Ratings - RHB 88

The Thermal HP ratings shown in the table below are based on an ambient temperature of 68° F, continuous operation and fan cooled motors as well as with the standard ISO220 factory filled lubricant. For ratings at other ambient temperatures, please consult Thermal Factors table below.

If using with different lubricants, please contact Application Engineering. Shaded areas indicate that the unit is thermally limited.

Ratio	1750 RPM							3450 RPM						
	Output Speed	Rated Power	Mounting Position					Output Speed	Rated Power	Mounting Position				
			A1	A2	A3	A4	A5 A6			A1	A2	A3	A4	A5 A6
	RPM	HP	HP	HP	HP	HP	RPM	HP	HP	HP	HP	HP	HP	
5.54	315.7	26.94	50.3	49.0	48.1	47.4	48.0	622.4	42.96	34.8	25.0	21.9	21.3	20.0
6.69	261.7	25.39	49.2	48.2	47.8	47.3	47.6	515.9	37.92	38.7	31.9	30.4	29.9	29.0
8.03	218.1	23.75	49.6	49.2	48.9	48.5	48.7	429.9	33.57	42.7	39.1	38.1	37.2	37.3
9.41	186.0	22.21	47.6	47.3	47.0	46.8	47.0	366.7	30.16	43.1	40.5	39.9	39.3	39.3
11.64	150.3	26.93	38.4	37.4	37.7	37.3	37.3	296.4	35.95	29.5	21.8	23.9	23.9	21.7
14.04	124.6	24.90	37.4	36.7	36.9	36.6	36.7	245.7	31.53	31.4	26.1	27.7	27.6	26.2
16.85	103.8	21.91	37.5	37.2	37.3	37.0	37.1	204.7	27.75	33.6	30.7	31.8	31.4	30.7
19.75	88.6	19.60	36.0	35.7	35.9	35.7	35.7	174.6	24.83	33.5	31.4	32.3	31.9	31.5
23.54	74.3	17.23	34.1	33.9	34.0	33.8	33.9	146.5	21.96	32.8	31.5	32.1	31.7	31.5
25.53	68.5	15.89	33.7	33.5	33.6	33.5	33.5	135.1	20.75	32.8	31.8	32.3	32.0	31.9
28.50	61.4	14.24	32.5	32.3	32.4	32.3	32.3	121.1	19.21	32.1	31.4	31.8	31.5	31.4
30.87	56.7	13.14	31.5	31.4	31.5	31.4	31.4	111.8	18.16	31.6	30.9	31.2	31.0	31.0
34.40	50.9	11.80	25.6	24.9	25.3	25.2	25.0	100.3	18.13	21.3	16.0	18.5	18.8	16.8
41.50	42.2	9.78	24.7	24.2	24.6	24.4	25.4	83.1	15.90	21.8	18.3	20.0	20.2	18.7
49.80	35.1	8.15	24.5	24.2	24.4	24.4	24.3	69.3	13.99	22.7	20.7	21.9	21.8	21.0
58.37	30.0	6.95	23.5	24.3	23.5	24.4	24.3	59.1	12.52	22.4	20.9	21.8	21.7	21.2
69.57	25.2	5.83	22.3	22.2	22.3	22.2	22.2	49.6	11.08	21.8	20.8	21.4	21.3	21.0
75.45	23.2	5.38	22.0	21.9	22.0	21.9	21.9	45.7	10.46	21.7	20.9	21.4	21.3	21.1
84.21	20.8	4.82	21.3	21.2	21.2	21.2	21.2	41.0	9.49	21.2	20.7	21.1	21.0	20.8
91.22	19.2	4.45	20.7	20.6	20.7	20.6	20.7	37.8	8.76	20.8	20.3	20.6	20.6	20.4
103.38	16.9	3.92	19.9	19.8	19.9	19.8	19.8	33.4	7.73	20.2	19.9	20.1	20.0	19.9
111.37	15.7	3.64	19.2	19.2	19.2	19.2	19.1	31.0	7.18	19.6	19.3	19.5	19.5	19.4
120.42	14.5	3.37	18.6	18.5	18.6	18.5	18.5	28.6	6.64	19.1	18.8	19.0	19.0	18.9
130.77	13.4	3.10	18.0	17.9	17.9	17.9	17.9	26.4	6.11	18.6	18.4	18.5	18.5	18.4
144.58	12.1	2.81	17.2	17.2	17.2	17.2	17.2	23.9	5.53	17.9	17.7	17.9	17.8	17.7
156.63	11.2	2.59	16.7	16.6	16.6	16.6	16.6	22.0	5.10	17.4	17.3	17.4	17.4	17.3
176.50	9.9	2.30	16.0	16.0	16.0	16.0	16.0	19.5	4.53	16.9	16.8	16.8	16.8	16.8
193.24	9.1	2.10	15.2	15.2	15.2	15.2	15.2	17.9	3.23	16.1	16.0	16.0	16.0	16.0
215.25	8.1	1.88	14.3	14.3	14.3	14.3	14.3	16.0	3.71	15.2	15.2	15.2	15.2	15.2
246.13	7.1	1.65	13.9	13.9	13.9	13.9	13.9	14.0	3.25	14.9	14.8	14.8	14.9	14.8
272.95	6.4	1.49	13.5	13.5	13.5	13.5	13.5	12.6	2.93	14.6	14.5	14.4	14.6	14.5
302.68	5.8	1.34	13.1	13.1	13.1	13.1	13.1	11.4	2.64	14.2	14.2	14.0	14.2	14.2

RHB Thermal Factors	
Ambient Temp (Deg. F)	Thermal Factor
0	1.83
20	1.59
40	1.27
60	1.11
68	1.00
80	0.87
100	0.65
120	0.43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: RHB 88, 8.03:1, 3450 RPM input speed, 180TC motor frame at 60 degree F ambient, A3 mounting position:

According to the table above, this unit is capable of 38.1 HP Thermally at 68 degree F. To convert this to the capability at 60 degrees F, multiply the rating by the factor in the Thermal Factors table (1.11). Actual Thermal Rating is  $38.1 \times 1.11 = 42.3$  HP. The mechanical rating for the RHB 88, 8.03, 180TC frame is 20.42 HP. This unit is not thermally limited.

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# THERMAL RATINGS

## Thermal Ratings - RHB 108

The Thermal HP ratings shown in the table below are based on an ambient temperature of 68° F, continuous operation and fan cooled motors as well as with the standard ISO220 factory filled lubricant. For ratings at other ambient temperatures, please consult Thermal Factors table below.

If using with different lubricants, please contact Application Engineering. Shaded areas indicate that the unit is thermally limited.

Ratio	1750 RPM							3450 RPM						
	Output Speed	Rated Power	Mounting Position					Output Speed	Rated Power	Mounting Position				
			A1	A2	A3	A4	A5 A6			A1	A2	A3	A4	A5 A6
	RPM	HP	HP	HP	HP	HP	RPM	HP	HP	HP	HP	HP	HP	
7.68	228.0	45.36	75.7	71.3	72.0	70.7	70.7	449.4	81.12	43.0	17.6	23.2	19.3	15.5
9.36	186.9	37.72	73.9	72.2	72.7	71.5	71.9	368.5	69.65	53.6	40.2	45.2	40.6	39.3
10.97	159.5	32.56	71.3	70.1	70.5	69.7	69.9	314.5	60.13	57.7	48.5	52.2	49.3	48.1
12.90	135.7	28.01	71.1	70.5	70.7	70.1	70.3	267.5	51.74	62.7	57.4	59.8	57.4	57.1
13.74	127.4	42.72	60.3	57.2	58.7	57.6	57.2	251.1	70.38	36.7	16.1	24.3	21.6	17.3
16.75	104.4	37.17	58.7	57.1	58.1	57.2	57.2	205.9	61.24	43.5	33.0	39.4	36.0	34.2
19.63	89.1	33.74	56.4	55.4	56.1	55.5	55.5	175.7	54.82	46.5	39.0	43.7	41.4	40.0
23.08	75.8	29.56	56.2	55.6	56.0	55.5	55.6	149.5	48.93	50.0	45.6	48.7	46.9	46.2
26.48	66.1	26.02	53.7	53.3	53.6	53.2	53.3	130.3	44.46	49.9	46.7	49.0	47.6	47.2
31.25	56.0	22.31	50.5	50.3	50.5	50.2	50.3	110.4	39.58	48.8	46.6	48.3	47.4	47.0
33.87	51.7	20.70	49.7	49.4	49.6	49.4	49.4	101.8	37.41	48.6	47.0	48.3	47.6	47.3
36.44	48.0	19.24	40.7	38.8	39.8	39.7	39.0	94.7	31.72	30.5	16.9	22.6	24.8	18.8
44.44	39.4	16.60	39.5	38.5	39.2	38.9	38.7	77.6	27.61	32.3	25.6	29.9	30.0	27.0
52.08	33.6	14.17	38.1	37.4	37.9	37.7	37.5	66.2	24.71	33.1	28.2	31.5	31.4	29.4
61.22	28.6	12.05	37.8	37.4	37.8	37.6	37.4	56.4	22.06	34.5	31.6	33.8	33.5	32.3
70.24	24.9	10.50	36.3	36.1	36.3	36.2	36.1	49.1	20.04	34.1	32.0	33.7	33.4	32.5
82.90	21.1	8.90	34.5	34.3	34.5	34.4	34.4	41.6	17.53	33.3	31.9	33.0	32.8	32.2
89.85	19.5	8.21	34.0	33.8	34.0	33.9	33.8	38.4	16.18	33.2	32.1	33.0	32.8	32.4
99.90	17.5	7.38	32.9	32.8	32.9	32.8	32.8	34.5	14.55	32.5	31.7	32.4	32.2	31.8
108.52	16.1	6.80	31.8	31.7	31.8	31.7	31.7	31.8	13.39	31.7	31.0	31.6	31.5	31.2
120.03	14.6	6.15	30.9	30.8	30.9	30.9	30.8	28.7	12.11	31.2	30.6	31.0	31.0	30.7
128.86	13.6	5.72	29.9	29.8	29.9	29.9	29.8	26.8	11.28	30.3	29.9	30.2	30.2	29.9
138.87	12.6	5.31	29.0	28.9	29.0	28.9	28.9	24.8	9.67	29.6	29.2	29.5	29.4	29.2
150.31	11.6	4.91	28.0	28.0	28.0	28.0	28.0	23.0	8.89	28.8	28.4	28.7	28.7	28.5
163.51	10.7	4.51	27.1	27.0	27.0	27.0	27.0	21.1	8.12	28.0	27.7	27.9	27.8	27.7
178.90	9.8	4.12	26.0	25.9	26.0	25.9	25.9	19.3	8.12	27.0	26.8	26.9	26.9	26.8
201.11	8.7	3.67	24.8	24.8	24.8	24.8	24.8	17.2	7.23	26.0	25.8	25.9	25.9	25.8
219.64	8.0	3.36	23.7	23.6	23.6	23.6	23.6	15.7	6.62	24.9	24.8	24.9	24.9	24.8
243.47	7.2	3.03	22.4	22.4	22.4	22.4	22.4	14.2	5.97	23.7	23.6	23.7	23.7	23.6
278.10	6.3	2.65	20.5	20.6	20.5	20.5	20.6	12.4	5.23	22.0	21.9	21.9	22.0	21.9
307.24	5.7	2.40	19.0	19.0	18.9	19.0	19.1	11.2	4.73	20.5	20.5	20.5	20.5	20.4

RHB Thermal Factors	
Ambient Temp (Deg. F)	Thermal Factor
0	1.83
20	1.59
40	1.27
60	1.11
68	1.00
80	0.87
100	0.65
120	0.43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used.

Example: RHB 108, 23.08:1, 3450 RPM input speed, 210TC motor frame at 80 degree F ambient, A1 mounting position:

According to the table above, this unit is capable of 50.0 HP Thermally at 68 degree F. To convert this to the capability at 80 degrees F, multiply the rating by the factor in the Thermal Factors table (0.87).

Actual Thermal Rating is  $50.0 \times 0.87 = 43.5$  HP. The mechanical rating for the RHB 108, 23.08, 210TC frame is 48.93 HP. This unit is now thermally limited to 43.5 HP.

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# THERMAL RATINGS

## Thermal Ratings - RHB 128

The Thermal HP ratings shown in the table below are based on an ambient temperature of 68° F, continuous operation and fan cooled motors as well as with the standard ISO220 factory filled lubricant. For ratings at other ambient temperatures, please consult Thermal Factors table below.

If using with different lubricants, please contact Application Engineering. Shaded areas indicate that the unit is thermally limited.

Ratio	1750 RPM							3450 RPM						
	Output Speed	Rated Power	Mounting Position					Output Speed	Rated Power	Mounting Position				
			A1	A2	A3	A4	A5 A6			A1	A2	A3	A4	A5 A6
	RPM	HP	HP	HP	HP	HP	HP	RPM	HP	HP	HP	HP	HP	HP
7.10	246.4	92.65	104.3	97.1	93.8	94.8	90.5	485.8	140.63	53.0	0.0	0.0	0.0	0.0
8.26	211.8	85.54	103.9	98.0	98.2	98.0	96.8	417.6	127.06	61.5	20.8	23.8	29.0	14.1
9.16	191.1	78.21	103.6	99.7	99.7	99.2	98.5	376.7	118.56	69.7	37.8	41.4	44.7	32.7
10.88	160.8	67.60	100.3	98.2	98.4	97.7	97.6	317.0	105.49	76.7	59.8	64.0	63.6	57.5
12.56	139.3	59.21	96.3	94.8	94.9	94.4	94.4	274.7	95.70	80.1	68.8	72.7	71.0	66.4
13.00	134.6	75.26	92.6	84.0	87.0	87.5	84.3	265.4	125.35	50.9	0.0	12.7	22.8	0.0
15.13	115.7	67.69	91.0	85.9	88.0	87.8	86.2	228.1	112.74	57.9	21.3	34.4	40.3	24.5
16.76	104.4	62.99	90.1	86.4	88.1	87.8	86.7	205.8	104.92	63.7	35.7	47.0	50.8	38.6
19.92	87.8	55.82	86.6	84.8	86.0	85.4	85.0	173.2	92.98	68.3	53.2	62.1	62.2	55.8
22.99	76.1	49.11	82.9	81.5	82.4	81.9	81.7	150.1	84.10	69.9	59.2	65.9	65.9	61.4
27.02	64.8	42.16	81.6	80.8	81.3	81.0	80.9	127.7	75.14	73.6	67.3	71.6	71.1	68.6
30.61	57.2	37.54	77.7	77.1	77.4	77.2	77.1	112.7	68.84	72.5	67.8	71.0	70.7	68.7
35.92	48.7	32.17	72.4	72.1	72.3	72.1	72.0	96.0	59.69	69.9	66.7	68.9	68.7	67.3
39.19	44.7	29.47	70.5	70.2	70.4	70.2	70.2	88.0	54.34	69.3	66.8	68.3	68.3	67.2
41.38	42.3	27.93	53.6	48.9	51.2	51.7	49.6	83.4	48.18	33.3	4.6	14.3	22.0	8.0
48.14	36.3	24.01	52.7	49.7	51.3	51.5	50.2	71.7	43.43	36.0	15.1	24.9	29.5	19.0
53.36	32.8	21.66	52.2	50.0	51.2	51.3	50.4	64.7	40.33	38.6	22.6	30.9	33.9	25.9
63.41	27.6	18.23	50.5	49.3	50.2	50.0	49.6	54.4	35.11	40.5	31.7	38.2	38.8	34.4
73.18	23.9	15.79	48.7	47.9	48.5	48.4	48.1	47.1	30.75	41.3	35.0	39.7	40.2	36.9
85.98	20.4	13.44	48.1	47.6	47.9	47.8	47.7	40.1	26.48	43.1	39.3	42.4	42.5	40.5
97.44	18.0	11.86	46.2	45.8	46.1	46.1	45.9	35.4	23.37	42.6	39.7	42.0	42.1	40.6
114.34	15.3	10.11	43.8	43.5	43.7	43.6	43.5	30.2	19.92	41.5	39.4	41.0	41.1	40.1
124.73	14.0	9.27	42.9	42.6	42.8	42.7	42.6	27.7	18.26	41.2	39.6	40.8	40.9	40.0
136.06	12.9	8.49	41.6	41.4	41.6	41.5	41.5	25.4	16.74	40.5	39.1	40.1	40.3	39.5
146.84	11.9	7.87	40.4	40.3	40.4	40.3	40.3	23.5	15.51	39.6	38.4	39.3	39.4	38.8
164.11	10.7	7.04	39.0	38.9	39.0	38.9	38.9	21.0	13.88	38.6	37.6	38.2	38.4	37.8
175.80	10.0	6.57	37.6	37.5	37.6	37.5	37.5	19.6	12.95	37.5	36.7	37.2	37.4	36.9
189.04	9.3	6.11	36.3	36.3	36.3	36.3	36.3	18.2	12.05	36.5	35.8	36.2	36.4	35.9
204.18	8.6	5.66	35.1	35.0	35.1	35.1	35.0	16.9	11.15	35.5	34.9	35.2	35.4	35.0
221.64	7.9	5.21	33.9	33.8	33.9	33.8	33.8	15.6	10.27	34.5	33.9	34.2	34.4	34.0
242.02	7.2	4.78	33.1	33.1	33.1	33.1	33.1	14.3	9.41	33.9	33.4	33.6	33.8	33.4
270.90	6.5	4.27	31.5	31.5	31.5	31.5	31.5	12.7	8.41	32.6	32.2	32.4	32.5	32.2
295.38	5.9	3.91	30.8	30.8	30.8	30.8	30.7	11.7	7.71	32.0	31.6	31.7	31.9	31.7

RHB Thermal Factors	
Ambient Temp (Deg. F)	Thermal Factor
0	1.83
20	1.59
40	1.27
60	1.11
68	1.00
80	0.87
100	0.65
120	0.43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used. A thermal rating of 0.0 indicates that this ratio and input RPM are not recommended.

Example: RHB 128, 204.18:1, 1750 RPM input speed, 210TC motor frame at 40 degree F ambient, A5 mounting position:

According to the table above, this unit is capable of 35.0 HP Thermally at 68 degree F. To convert this to the capability at 40 degrees F, multiply the rating by the factor in the Thermal Factors table (1.27). Actual Thermal Rating is 35.0\*1.27 = 44.5 HP. The mechanical rating for the RHB 128, 204.18, 210TC frame is 5.66 HP. This unit is not thermally limited.

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# THERMAL RATINGS

## Thermal Ratings - RHB 148

The Thermal HP ratings shown in the table below are based on an ambient temperature of 68° F, continuous operation and fan cooled motors as well as with the standard ISO220 factory filled lubricant. For ratings at other ambient temperatures, please consult Thermal Factors table below.

If using with different lubricants, please contact Application Engineering. Shaded areas indicate that the unit is thermally limited.

Ratio	1750 RPM							3450 RPM						
	Output Speed	Rated Power	Mounting Position					Output Speed	Rated Power	Mounting Position				
			A1	A2	A3	A4	A5			A1	A2	A3	A4	A5
	RPM	HP	HP	HP	HP	HP	HP	RPM	HP	HP	HP	HP	HP	HP
4.83	362.3	136.15	152.7	95.5	90.0	90.0	85.8	714.2	253.56	0.0	0.0	0.0	0.0	0.0
6.43	272.3	126.51	164.1	135.8	133.6	135.1	123.9	536.7	209.62	52.5	0.0	0.0	0.0	0.0
7.44	235.1	116.71	169.5	161.6	157.7	156.1	151.2	463.6	189.91	85.6	0.0	0.0	13.0	0.0
8.79	199.2	105.76	166.7	157.0	157.8	156.0	154.9	392.6	169.74	106.9	51.5	58.2	58.6	37.5
9.77	179.1	136.16	119.4	74.5	81.2	88.8	72.5	353.1	244.22	0.0	0.0	0.0	0.0	0.0
13.00	134.6	126.53	120.4	99.8	106.9	109.8	100.2	265.4	207.73	51.6	0.0	0.0	0.0	0.0
15.05	116.2	116.70	122.5	113.4	117.4	116.8	113.9	229.2	189.91	70.5	13.4	32.7	40.1	16.3
17.77	98.5	103.53	117.6	112.2	115.0	114.2	112.7	194.1	169.74	81.6	40.4	59.5	63.0	45.0
19.84	88.2	93.52	115.4	111.4	113.6	112.6	111.7	173.9	157.48	89.2	58.4	74.0	75.7	62.4
23.19	75.5	81.03	110.8	108.7	110.3	109.3	108.9	148.8	141.61	94.4	76.6	89.1	87.8	80.2
26.58	65.8	71.44	106.0	104.4	105.7	105.0	104.6	129.8	128.96	96.4	83.7	93.0	91.8	86.5
30.74	56.9	62.48	100.3	99.2	100.0	99.5	99.4	112.2	114.77	96.1	87.3	94.0	93.1	89.4
31.10	56.3	63.25	67.6	44.1	52.0	58.3	46.7	110.9	116.84	20.5	0.0	0.0	0.0	0.0
41.38	42.3	47.54	71.7	60.5	66.4	68.1	62.7	83.4	91.66	38.5	0.0	5.7	18.3	0.0
47.91	36.5	41.06	72.3	67.0	70.2	70.4	68.0	72.0	80.10	46.9	12.6	29.8	36.6	19.2
56.57	30.9	34.78	69.8	66.3	68.6	68.6	67.1	61.0	68.52	51.6	27.2	42.0	45.7	33.2
63.16	27.7	31.15	68.6	66.0	67.8	67.6	66.6	54.6	61.37	55.2	36.9	48.7	51.1	41.6
73.80	23.7	26.66	66.2	64.8	66.0	65.8	65.2	46.7	52.52	57.6	46.9	56.0	56.1	50.6
84.61	20.7	23.25	63.9	62.8	63.7	63.5	63.1	40.8	45.81	58.5	50.7	57.4	57.5	53.5
97.82	17.9	20.11	60.9	60.3	60.9	60.7	60.4	35.3	39.62	58.4	52.9	57.8	57.8	55.0
101.53	17.2	19.37	62.1	61.4	62.0	61.9	61.6	34.0	38.17	60.5	55.9	60.0	59.9	57.5
112.35	15.6	17.51	59.9	59.5	59.9	59.7	59.6	30.7	34.50	59.7	56.1	59.4	59.2	57.3
131.49	13.3	14.96	56.5	56.3	56.5	56.4	56.3	26.2	29.48	57.8	55.4	57.5	57.5	56.2
142.41	12.3	13.81	55.4	55.1	55.3	55.3	55.1	24.2	27.22	57.3	55.3	57.1	57.0	56.0
158.93	11.0	12.38	53.1	52.8	53.0	52.9	52.9	21.7	24.39	55.7	54.2	55.4	55.4	54.6
168.50	10.4	11.67	51.1	50.9	51.1	51.0	51.0	20.5	23.00	54.1	52.9	53.9	53.9	53.2
191.02	9.2	10.30	49.2	49.0	49.2	49.1	49.0	18.1	20.29	52.5	51.6	52.3	52.4	51.8
204.38	8.6	9.63	47.9	47.7	47.8	47.8	47.8	16.9	18.96	51.4	50.5	51.2	51.3	50.7
214.96	8.1	9.15	46.6	46.4	46.5	46.5	46.5	16.0	18.03	50.3	49.5	50.0	50.2	49.6
231.95	7.5	8.48	44.9	44.8	44.9	44.9	44.9	14.9	16.71	48.8	48.0	48.5	48.6	48.2
251.55	7.0	7.81	43.3	43.2	43.2	43.2	43.2	13.7	15.41	47.3	46.6	47.0	47.1	46.8
274.42	6.4	7.17	41.4	41.3	41.3	41.3	41.3	12.6	14.12	45.5	45.0	45.3	45.3	45.1
306.08	5.7	6.43	38.8	38.8	38.7	38.7	38.6	11.3	12.66	43.1	42.7	42.9	42.8	42.8

RHB Thermal Factors	
Ambient Temp (Deg. F)	Thermal Factor
0	1.83
20	1.59
40	1.27
60	1.11
68	1.00
80	0.87
100	0.65
120	0.43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used. A thermal rating of 0.0 indicates that this ratio and input RPM are not recommended.

Example: RHB 148, 13.00:1, 1750 RPM input speed, 320TC motor frame at 80 degree F ambient, A1 mounting position:

According to the table above, this unit is capable of 120.4 HP Thermally at 68 degree F. To convert this to the capability at 80 degrees F, multiply the rating by the factor in the Thermal Factors table (0.87). Actual Thermal Rating is  $120.4 \times 0.87 = 104.7$  HP. The mechanical rating for the RHB 148, 13.00, 320TC frame is 126.53 HP. This unit is now thermally limited to 104.7 HP.

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# THERMAL RATINGS

## Thermal Ratings - RHB 168

The Thermal HP ratings shown in the table below are based on an ambient temperature of 68° F, continuous operation and fan cooled motors as well as with the standard ISO220 factory filled lubricant. For ratings at other ambient temperatures, please consult Thermal Factors table below.

If using with different lubricants, please contact Application Engineering. Shaded areas indicate that the unit is thermally limited.

Ratio	1750 RPM							3450 RPM						
	Output Speed	Rated Power	Mounting Position					Output Speed	Rated Power	Mounting Position				
			A1	A2	A3	A4	A5 A6			A1	A2	A3	A4	A5 A6
	RPM	HP	HP	HP	HP	HP	HP	RPM	HP	HP	HP	HP	HP	HP
6.61	264.7	120.91	151.3	120.9	122.2	109.6	112.5	521.9	238.23	0.0	0.0	0.0	0.0	0.0
8.64	202.6	117.78	179.0	154.0	158.9	145.5	146.6	399.4	230.13	0.0	0.0	0.0	0.0	0.0
10.17	172.0	114.28	189.0	177.7	177.7	168.1	169.5	339.1	212.54	51.5	0.0	0.0	0.0	0.0
11.67	150.0	106.09	188.3	178.0	181.7	177.9	175.6	295.7	219.32	91.8	30.3	53.8	22.6	20.5
12.41	141.0	120.91	126.4	98.3	107.0	96.6	97.4	278.1	238.23	0.0	0.0	0.0	0.0	0.0
16.21	107.9	117.77	145.7	124.6	135.8	125.7	125.2	212.8	230.13	0.0	0.0	0.0	0.0	0.0
19.09	91.7	114.28	151.4	138.7	146.8	139.5	139.7	180.7	212.54	48.7	0.0	23.7	0.0	0.0
21.90	79.9	106.09	149.8	141.1	147.4	142.3	142.2	157.5	219.32	78.0	28.2	62.5	38.5	34.3
24.14	72.5	100.11	149.2	142.9	147.5	143.5	143.6	142.9	208.58	96.8	56.8	86.1	66.1	62.4
28.54	61.3	89.27	143.7	140.0	143.2	140.4	140.6	120.9	185.96	115.1	91.2	112.0	97.9	96.0
32.53	53.8	81.25	138.1	135.5	137.7	135.9	135.8	106.1	169.98	122.4	105.1	120.2	110.8	108.8
34.55	50.6	96.07	107.9	83.2	93.6	98.4	86.7	99.8	165.01	30.5	0.0	0.0	0.0	0.0
45.15	38.8	73.53	106.9	93.5	100.7	102.3	96.1	76.4	136.83	58.2	0.0	21.1	36.7	0.0
53.18	32.9	62.43	106.6	98.7	103.9	104.2	100.5	64.9	122.03	73.4	27.8	55.6	62.9	39.1
60.99	28.7	54.43	103.9	98.5	102.5	102.5	100.0	56.6	107.24	79.5	46.1	69.9	73.6	56.0
67.22	26.0	49.38	102.8	98.6	101.8	101.7	99.8	51.3	97.30	84.8	59.2	78.6	80.7	67.3
79.49	22.0	41.76	98.8	96.3	98.5	98.2	97.0	43.4	82.29	88.9	73.7	87.5	87.5	79.6
90.60	19.3	36.64	95.1	93.3	95.0	94.7	93.9	38.1	72.20	90.0	79.0	89.2	89.1	83.3
104.18	16.8	31.87	90.8	89.7	90.8	90.6	90.0	33.1	62.79	89.7	81.8	89.1	89.1	84.7
119.09	14.7	27.88	89.2	88.4	89.2	88.9	88.6	29.0	54.92	91.4	86.1	91.0	90.8	88.0
138.00	12.7	24.04	84.3	83.7	84.3	84.2	83.9	25.0	47.40	88.5	84.8	88.1	88.1	86.1
150.36	11.6	22.08	82.6	82.1	82.6	82.5	82.3	22.9	43.50	87.7	84.5	87.2	87.3	85.5
167.50	10.4	19.82	80.3	79.9	80.2	80.2	80.0	20.6	39.05	86.5	84.0	86.0	86.1	84.7
177.43	9.9	18.71	79.0	78.6	78.9	78.8	78.7	19.4	36.86	85.8	83.7	85.3	85.5	84.2
199.54	8.8	16.64	72.9	72.7	72.8	72.8	72.7	17.3	32.78	80.0	78.4	79.5	79.7	78.8
213.33	8.2	15.56	70.3	70.1	70.3	70.3	70.1	16.2	30.66	77.6	76.2	77.2	77.4	76.5
226.15	7.7	14.68	68.5	68.3	68.4	68.4	68.3	15.3	28.92	75.9	74.6	75.4	75.7	74.9
243.80	7.2	13.62	65.9	65.7	65.8	65.8	65.7	14.2	26.83	73.5	72.4	73.1	73.3	72.5
264.18	6.6	12.57	63.4	63.2	63.3	63.4	63.3	13.1	24.76	71.0	70.1	70.6	70.9	70.2
287.95	6.1	10.11	60.5	60.4	60.4	60.5	60.4	12.0	18.82	68.2	67.4	67.7	68.1	67.5

RHB Thermal Factors	
Ambient Temp (Deg. F)	Thermal Factor
0	1.83
20	1.59
40	1.27
60	1.11
68	1.00
80	0.87
100	0.65
120	0.43

Rated power as shown on the table above is for the largest available motor frame for a unit size and ratio. When using the factors in the table, compare result with the actual ratio and motor frame used. A thermal rating of 0.0 indicates that this ratio and input RPM are not recommended.

Example: RHB 168, 213.33:1, 3450 RPM input speed, 250TC motor frame at 120 degree F ambient, A2 mounting position:

According to the table above, this unit is capable of 76.2 HP Thermally at 68 degree F. To convert this to the capability at 120 degrees F, multiply the rating by the factor in the Thermal Factors table (0.43). Actual Thermal Rating is 76.2\*0.43 = 32.8 HP. The mechanical rating for the RHB 168, 213.33, 250TC frame is 30.66 HP. This unit is not thermally limited.

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