

HIGH STAGE - CAPACITY and BRAKE HORSEPOWER RATING @ 3550 RPM 60 Hz.

RWB-II 60

SATURATED CONDENSING TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG

R-717

75.0 85.0 95.0 105.0 115.0
125.8 151.7 181.1 214.2 251.5

SATURATED SUCTION TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG (* in Hg)

-40. 8.7*	TR BHP	28.2 76.3	27.0 85.9	25.9 96.9	24.9 110.7	23.9 128.3
-35. 5.4*	TR BHP	32.9 79.8	31.6 89.6	30.3 100.5	29.0 112.9	27.9 128.4
-30. 1.6*	TR BHP	38.1 83.5	36.7 93.6	35.3 104.6	33.9 116.9	32.4 130.8
-25. 1.3	TR BHP	44.0 87.2	42.5 97.8	40.9 109.2	39.3 121.5	37.7 135.3
-20. 3.6	TR BHP	50.6 90.9	48.9 102.1	47.1 113.9	45.4 126.6	43.6 140.4
-15. 6.2	TR BHP	57.9 94.5	55.9 106.3	54.1 118.8	52.1 132.0	50.1 146.1
-10. 9.0	TR BHP	66.0 97.8	63.8 110.5	61.7 123.6	59.6 137.5	57.4 152.1
-5. 12.2	TR BHP	74.9 100.8	72.6 114.4	70.2 128.4	67.8 142.9	65.4 158.3
0. 15.7	TR BHP	84.6 103.2	82.1 117.9	79.5 132.9	76.9 148.3	74.2 164.4
5. 19.6	TR BHP	95.3 105.0	92.6 121.0	89.8 137.1	86.9 153.6	83.9 170.5
10. 23.8	TR BHP	107.1 106.0	104.0 123.3	101.0 140.8	97.9 158.5	94.6 176.5
15. 28.4	TR BHP	120.0 106.1	116.5 124.9	113.2 143.8	109.9 162.9	106.3 182.2
20. 33.5	TR BHP	134.3 105.9	130.3 125.6	126.5 146.0	122.9 166.6	119.1 187.4
25. 39.0	TR BHP	149.9 105.4	145.2 125.3	141.1 147.3	136.9 169.5	132.9 191.9
30. 45.0	TR BHP	167.0 104.4	162.0 125.1	157.0 147.5	152.4 171.5	147.8 195.5
35. 51.6	TR BHP	185.5 103.0	179.9 124.2	174.4 147.3	169.2 172.3	164.0 198.2
40. 58.6	TR BHP	206.2 103.6	199.6 123.0	193.5 146.7	187.3 172.0	181.8 199.7

NOTE: Capacities Based on 10°F Liquid Subcooling, 10°F Suction Superheat with Superheat not contributing to the refrigeration effect.

HIGH STAGE - CAPACITY and BRAKE HORSEPOWER RATING @ 3550 RPM 60 Hz WITH FLASH TYPE ECONOMIZER (SEE ECONOMIZER OPERATION SECTION FOR SELECTIONS BASED ON DIRECT EXPANSION OR SHELL and COIL ECONOMIZERS).

RWB-II 60E

R-717		SATURATED CONDENSING TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG					
		75.0 125.8	85.0 151.7	95.0 181.1	105.0 214.2	115.0 251.5	
SATURATED SUCTION TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG (* in Hg)	-40. 8.7*	TR BHP	32.7 80.3	32.1 90.9	31.4 103.1	30.9 118.3	30.4 137.9
	-35. 5.4*	TR BHP	37.7 84.0	37.1 94.7	36.4 106.9	35.7 120.7	35.1 138.1
	-30. 1.6*	TR BHP	43.3 87.7	42.7 99.0	41.9 111.2	41.2 125.0	40.4 140.6
	-25. 1.3	TR BHP	49.4 91.5	48.8 103.3	48.1 116.0	47.3 129.8	46.5 145.3
	-20. 3.6	TR BHP	56.2 95.2	55.5 107.6	54.8 120.9	54.0 135.1	53.1 150.7
	-15. 6.2	TR BHP	63.6 98.8	62.9 111.8	62.2 125.8	61.4 140.7	60.5 156.7
	-10. 9.1	TR BHP	71.8 102.0	71.0 115.9	70.2 130.6	69.4 146.3	68.5 162.9
	-5. 12.2	TR BHP	80.6 104.7	79.9 119.7	79.1 135.3	78.2 151.7	77.2 169.2
	0. 15.7	TR BHP	90.2 106.8	89.5 123.0	88.7 139.7	87.7 157.1	86.7 175.4
	5. 19.6	TR BHP	100.4 108.1	99.8 125.7	99.1 143.7	98.1 162.2	97.0 181.5
	10. 23.8	TR BHP	111.7 108.6	110.9 127.5	110.3 147.0	109.3 166.8	108.2 187.3
	15. 28.5	TR BHP	123.8 108.1	122.9 128.5	122.2 149.5	121.3 170.8	120.3 192.7
	20. 33.5	TR BHP	137.0 107.1	136.0 128.5	135.0 151.1	134.2 174.0	133.2 197.5
	25. 39.0	TR BHP	151.1 105.7	149.7 127.4	148.9 151.7	147.9 176.2	147.0 201.5
	30. 45.1	TR BHP	166.3 103.8	164.9 126.3	163.6 151.1	162.5 177.4	161.5 204.3
	35. 51.6	TR BHP	182.3 101.4	180.9 124.4	179.6 149.9	178.2 177.3	176.9 206.2
	40. 58.6	TR BHP		198.1 122.1	196.6 148.4	194.7 176.0	193.5 206.7

NOTE: Ratings based on Liquid Subcooling by Flash Type Economizer, 10°F Suction Superheat with Superheat not contributing to the refrigeration effect, no Liquid Subcooling from condenser or external source. No allowance for vapor line pressure drop or economizing vessel temperature split is included in the above ratings.

HIGH STAGE - CAPACITY and BRAKE HORSEPOWER RATING @ 3550 RPM 60 Hz


RWB-II 60

R-22		SATURATED CONDENSING TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG						
		75.0 132.2	85.0 155.7	95.0 181.8	105.0 210.7	115.0 242.7	125.0 277.9	
SATURATED SUCTION TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG (* in Hg)	-40. 0.5	TR BHP	33.7 81.9	31.7 90.7	29.6 100.5	27.5 111.5	25.4 123.6	23.2 138.6
	-35. 2.6	TR BHP	38.6 85.3	36.3 94.5	34.0 104.3	31.7 115.2	29.3 127.0	26.9 141.0
	-30. 4.9	TR BHP	43.9 88.8	41.4 98.3	38.9 108.4	36.3 119.4	33.7 131.0	31.1 144.5
	-25. 7.4	TR BHP	49.8 92.0	47.1 102.1	44.3 112.7	41.4 123.9	38.6 136.1	35.7 148.9
	-20. 10.1	TR BHP	56.3 95.1	53.3 105.8	50.2 116.9	47.1 128.6	43.9 141.0	40.7 153.9
	-15. 13.2	TR BHP	63.4 97.7	60.1 109.3	56.7 121.1	53.3 133.3	49.8 146.2	46.3 159.2
	-10. 16.5	TR BHP	71.2 99.7	67.5 112.6	63.8 125.1	60.0 138.0	56.2 151.3	52.3 165.5
	-5. 20.1	TR BHP	79.7 101.3	75.7 114.8	71.6 128.8	67.4 142.5	63.2 156.4	59.0 171.1
	0. 24.0	TR BHP	89.0 102.8	84.5 116.8	80.0 131.6	75.5 146.7	70.9 161.5	66.2 176.8
	5. 28.2	TR BHP	99.1 104.0	94.2 118.4	89.3 133.8	84.3 149.9	79.3 166.3	74.1 182.3
	10. 32.8	TR BHP	110.1 104.5	104.7 120.0	99.3 135.7	93.8 152.6	88.3 170.1	82.8 187.6
	15. 37.7	TR BHP	122.0 104.3	116.1 120.9	110.1 137.5	104.2 154.9	98.2 173.1	92.0 192.2
	20. 43.0	TR BHP	134.8 103.2	128.4 121.0	121.9 138.7	115.4 156.8	108.8 175.8	102.2 195.7
	25. 48.8	TR BHP	148.6 101.2	141.7 120.5	134.6 139.2	127.5 158.5	120.3 178.1	113.1 198.7
	30. 54.9	TR BHP	163.5 98.4	155.9 118.9	148.3 139.0	140.5 159.4	132.7 180.1	124.8 201.3
	35. 61.5	TR BHP	179.7 94.9	171.3 116.4	163.0 137.9	154.6 159.4	146.1 181.4	137.5 203.6
40. 68.5	TR BHP	197.0 90.2	187.9 113.2	178.9 135.8	169.8 158.8	160.5 181.8	151.2 205.3	

NOTE: Capacities Based on 10°F Liquid Subcooling, 10°F Suction Superheat with Superheat not contributing to the refrigeration effect.

HIGH STAGE - CAPACITY and BRAKE HORSEPOWER RATING @ 3550 RPM 60 Hz WITH FLASH TYPE ECONOMIZER (SEE ECONOMIZER OPERATION SECTION FOR SELECTIONS BASED ON DIRECT EXPANSION OR SHELL and COIL ECONOMIZERS).

RWB-II 60E

R-22		SATURATED CONDENSING TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG						
		75.0 132.2	85.0 155.7	95.0 181.8	105.0 210.8	115.0 242.7	125.0 277.9	
SATURATED SUCTION TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG (* in Hg)	-40. 0.5	TR BHP	41.8 90.1	40.7 100.2	39.6 111.5	38.3 124.3	36.9 138.4	35.5 156.1
	-35. 2.6	TR BHP	47.0 93.6	45.9 104.2	44.7 115.8	43.4 128.6	41.9 142.3	40.4 159.0
	-30. 4.9	TR BHP	52.7 97.0	51.5 108.2	50.2 120.3	48.8 133.1	47.3 146.9	45.7 163.2
	-25. 7.4	TR BHP	58.8 100.0	57.5 112.0	56.2 124.7	54.7 137.9	53.1 152.4	51.5 168.1
	-20. 10.2	TR BHP	65.4 102.7	64.0 115.5	62.6 128.9	61.0 142.8	59.4 157.7	57.6 173.6
	-15. 13.2	TR BHP	72.4 104.9	71.0 118.7	69.5 133.0	67.9 147.4	66.1 163.0	64.2 179.3
	-10. 16.5	TR BHP	80.0 106.2	78.5 121.5	76.9 136.7	75.1 152.0	73.3 168.3	71.3 185.9
	-5. 20.1	TR BHP	88.2 107.2	86.5 123.1	84.8 139.8	83.0 156.1	81.0 173.2	78.8 191.7
	0. 24.0	TR BHP	96.8 107.8	95.1 124.3	93.2 141.9	91.3 159.8	89.2 178.0	86.9 197.4
	5. 28.2	TR BHP	106.1 108.1	104.2 125.0	102.2 143.2	100.1 162.2	97.9 182.3	95.4 202.7
	10. 32.8	TR BHP	115.9 107.7	113.9 125.5	111.7 144.1	109.5 164.0	107.1 185.3	104.5 207.5
	15. 37.7	TR BHP	126.3 106.5	124.1 125.3	121.8 144.8	119.4 165.3	116.9 187.4	114.1 211.4
	20. 43.0	TR BHP	137.1 104.4	134.9 124.3	132.4 144.8	129.8 166.0	127.1 189.1	124.2 213.9
	25. 48.8	TR BHP	148.5 101.4	146.1 122.6	143.5 144.0	140.8 166.5	137.8 190.1	134.8 215.6
	30. 54.9	TR BHP	160.3 97.6	157.9 119.8	155.1 142.5	152.2 166.0	149.1 190.7	145.8 216.9
	35. 61.5	TR BHP	173.0 93.2	170.1 116.3	167.3 140.1	164.2 164.7	160.9 190.5	157.4 217.5
40. 68.5	TR BHP	 183.0 111.9	180.0 136.8	176.7 162.6	173.2 189.3	169.5 217.4		

NOTE: Ratings based on Liquid Subcooling by Flash Type Economizer, 10°F Suction Superheat with Superheat not contributing to the refrigeration effect, no Liquid Subcooling from condenser or external source. No allowance for vapor line pressure drop or economizing vessel temperature split is included in the above ratings.

BOOSTER - CAPACITY and BRAKE HORSEPOWER RATING @ 3550 RPM 60 Hz.

RWB-II 60

R-717		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 3.6	-10.0 9.1	0.0 15.7	10.0 23.8	20.0 33.5	30.0 45.1	40.0 58.6	
SATURATED SUCTION TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG (* in Hg)	-80. 24.3*	TR BHP	9.8 22.1	9.4 24.4	9.0 27.1	8.6 29.9	8.1 35.4	7.7 44.8	7.2 65.3
	-75. 23.2*	TR BHP	11.8 22.7	11.4 25.2	11.0 27.8	10.6 30.6	10.1 35.1	9.6 41.7	9.0 53.2
	-70. 21.9*	TR BHP	14.2 22.8	13.7 26.0	13.3 28.7	12.8 31.6	12.3 35.6	11.8 41.0	11.2 49.0
	-65. 20.4*	TR BHP	17.0 23.1	16.4 26.8	16.0 29.8	15.4 32.7	14.9 36.6	14.3 41.4	13.7 47.8
	-60. 18.6*	TR BHP	20.1 23.3	19.6 26.9	19.0 30.8	18.4 33.9	17.8 37.8	17.2 42.3	16.5 47.9
	-55. 16.6*	TR BHP	23.7 23.2	23.2 27.3	22.5 31.2	21.8 35.2	21.1 39.1	20.5 43.6	19.7 48.8
	-50. 14.3*	TR BHP	27.7 23.3	27.2 27.3	26.5 31.7	25.6 36.3	24.9 40.4	24.2 45.0	23.4 50.1
	-45. 11.7*	TR BHP	32.2 24.1	31.7 27.2	31.0 32.0	30.2 36.6	29.2 41.7	28.4 46.3	27.6 51.6
	-40. 8.7*	TR BHP	37.4 24.1	36.7 27.6	36.0 31.9	35.2 37.2	34.1 42.3	33.1 47.6	32.2 53.0
	-35. 5.4*	TR BHP	43.2 22.4	42.4 28.3	41.6 31.9	40.8 37.2	39.7 43.0	38.4 49.0	37.4 54.2
	-30. 1.6*	TR BHP	49.7 18.3	48.8 27.6	47.9 32.7	47.0 37.2	45.9 43.5	44.6 49.4	43.2 55.9
	-25. 1.3	TR BHP	57.0 11.1	55.9 24.9	54.9 33.0	53.9 37.6	52.7 43.3	51.4 50.2	49.9 56.4
	-20. 3.6	TR BHP		63.9 19.8	62.7 31.4	61.6 38.3	60.3 43.3	58.9 50.4	57.4 57.4
	-15. 6.2	TR BHP		72.7 11.7	71.3 27.8	70.1 37.9	68.6 43.5	67.1 50.2	65.6 58.1
	-10. 9.1	TR BHP			80.9 21.7	79.5 35.5	77.9 44.2	76.3 49.9	74.5 58.1
	-5. 12.2	TR BHP			91.5 12.6	89.9 30.8	88.1 43.7	86.3 50.3	84.4 57.6
0. 15.7	TR BHP				101.3 23.7	99.4 41.2	97.3 50.8	95.3 57.2	

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NOTE: Capacities Based on Liquid at Intermediate Temperature and no Suction Superheat.

BOOSTER - CAPACITY and BRAKE HORSEPOWER RATING @ 3550 RPM 60 Hz.

RWB-II 60

R-22		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG						
		-20.0 10.2	-10.0 16.5	0.0 24.0	10.0 32.8	20.0 43.0	30.0 54.9	40.0 68.5
SATURATED SUCTION TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG (* in Hg)	-80. TR 20.2* BHP	14.4 30.7	14.0 33.2	13.5 35.8	13.1 38.5	12.8 42.5	12.4 47.2	12.0 52.7
	-75. TR 18.5* BHP	17.0 31.6	16.4 34.4	15.9 37.1	15.5 39.9	15.1 43.9	14.7 48.4	14.2 53.4
	-70. TR 16.6* BHP	19.9 32.3	19.3 35.5	18.7 38.5	18.1 41.5	17.7 45.6	17.2 50.0	16.7 54.8
	-65. TR 14.4* BHP	23.2 32.7	22.5 36.3	21.8 39.7	21.1 43.1	20.6 47.3	20.1 51.8	19.5 56.7
	-60. TR 12.0* BHP	26.8 32.9	26.1 36.9	25.4 40.8	24.6 44.5	24.0 49.1	23.3 53.7	22.7 58.7
	-55. TR 9.2* BHP	31.0 32.8	30.2 37.2	29.3 41.6	28.4 45.8	27.7 50.7	27.0 55.6	26.3 60.9
	-50. TR 6.1* BHP	35.7 33.2	34.7 37.0	33.8 42.0	32.8 46.7	32.0 52.1	31.1 57.5	30.3 62.9
	-45. TR 2.7* BHP	40.9 32.8	39.8 37.0	38.7 42.1	37.6 47.4	36.8 53.3	35.8 59.1	34.8 65.0
	-40. TR .5 BHP	46.7 30.9	45.4 37.3	44.2 41.8	43.0 47.6	42.1 54.0	41.1 60.5	39.9 66.8
	-35. TR 2.6 BHP	53.1 27.3	51.7 36.7	50.3 41.8	49.0 47.4	48.0 54.4	46.9 61.5	45.6 68.5
	-30. TR 4.9 BHP	60.2 21.2	58.6 34.6	57.1 41.9	55.5 46.9	54.6 54.3	53.3 61.9	52.0 69.6
	-25. TR 7.4 BHP	68.0 12.4	66.2 30.4	64.5 41.2	62.8 46.9	61.7 53.7	60.5 61.9	59.0 70.3
	-20. TR 10.2 BHP		74.6 23.7	72.7 38.7	70.8 47.0	69.7 53.3	68.3 61.4	66.7 70.4
	-15. TR 13.2 BHP		83.8 13.9	81.6 34.0	79.5 46.1	78.3 53.2	76.9 60.7	75.2 70.0
	-10. TR 16.5 BHP			91.5 26.3	89.1 43.2	87.8 53.1	86.3 60.1	84.5 69.4
	-5. TR 20.1 BHP			102.1 15.4	99.5 37.8	98.1 52.1	96.5 60.1	94.7 68.7
	0. TR 24.0 BHP				110.9 29.2	109.4 48.9	107.7 59.9	105.8 67.8

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NOTE: Capacities Based on Liquid at Intermediate Temperature and no Suction Superheat.