

File: EQUIPMENT MANUAL – Section 70  
Replaces:  
Dist: 1, 1a, 1b, 1c, 4, 4b, 4c

E70-117 SED/DEC 85



## FRICK RDB ROTARY SCREW COMPRESSOR UNITS

### R-717 and R-22 BOOSTER RATINGS

# RDB-399

## BOOSTER CAPACITY and BRAKE HORSEPOWER RATINGS @ 3550 RPM

R-22		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 10.2	-10.0 16.5	.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. 20.2*	TR BHP	93.6 173.9	90.7 193.3	87.7 213.5				
	-75. 18.5*	TR BHP	110.0 177.0	106.8 198.2	103.4 219.3	99.8 241.4			
	-70. 16.6*	TR BHP	128.7 179.2	125.1 202.3	121.3 225.1	117.3 248.2	112.7 276.1		
	-65. 14.4*	TR BHP	149.8 181.7	145.8 205.1	141.6 230.3	137.1 254.8	132.0 283.3		
	-60. 12.0*	TR BHP	173.6 184.3	169.0 207.4	164.4 234.0	159.4 261.1	153.8 291.0	147.8 321.9	
	-55. 9.2*	TR BHP	200.3 186.9	195.2 209.6	189.8 236.9	184.4 266.0	178.4 298.4	171.5 330.4	164.6 364.3
	-50. 6.2*	TR BHP	230.1 190.5	224.5 212.9	218.4 239.5	212.3 269.3	206.0 304.6	198.5 339.3	190.4 373.4
	-45. 2.7*	TR BHP	263.4 184.8	257.0 216.9	250.4 242.1	243.3 272.2	236.7 308.6	228.9 346.6	219.7 383.8
	-40. 0.5	TR BHP	300.2 169.2	293.2 218.6	285.8 245.5	277.8 274.8	270.8 311.4	262.5 351.7	252.9 392.6
	-35. 2.6	TR BHP		333.4 212.7	325.1 249.7	316.6 277.9	308.7 313.9	299.7 354.9	289.7 399.4
	-30. 4.9	TR BHP		377.6 196.8	368.5 250.4	359.0 282.3	350.6 316.7	341.0 357.2	330.1 403.4
	-25. 7.4	TR BHP			416.5 244.2	405.8 285.2	397.0 321.2	386.5 360.1	374.8 405.8
	-20. 10.1	TR BHP			469.0 227.9	457.4 286.5	447.9 326.5	436.7 363.8	424.3 408.3
	-15. 13.2	TR BHP				514.1 280.4	503.7 333.9	491.9 369.3	478.2 411.4
	-10. 16.5	TR BHP				576.0 263.2	564.8 334.7	552.3 379.2	537.8 417.1
	-5. 20.1	TR BHP					631.6 325.3	618.1 390.2	602.9 425.4
0. 24.0	TR BHP						689.7 389.0	673.9 442.2	

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

R-22		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 10.2	-10.0 16.5	.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. 20.2*	TR BHP	74.3 138.1	72.0 153.5	69.6 169.6				
	-75. 18.5*	TR BHP	87.4 140.5	84.8 157.4	82.1 174.2	79.3 191.7			
	-70. 16.6*	TR BHP	102.2 142.3	99.4 160.6	96.3 178.8	93.1 197.1	89.5 219.2		
	-65. 14.4*	TR BHP	119.0 144.3	115.8 162.9	112.4 182.9	108.9 202.4	104.8 225.0		
	-60. 12.0*	TR BHP	137.9 146.3	134.2 164.7	130.5 185.8	126.6 207.3	122.1 231.1	117.3 255.6	
	-55. 9.2*	TR BHP	159.1 148.4	155.0 166.4	150.8 188.2	146.4 211.3	141.7 236.9	136.2 262.4	130.7 289.3
	-50. 6.2*	TR BHP	182.7 151.3	178.2 169.0	173.5 190.2	168.6 213.9	163.6 241.9	157.6 269.4	151.2 296.6
	-45. 2.7*	TR BHP	209.2 146.8	204.1 172.3	198.8 192.3	193.2 216.1	188.0 245.0	181.8 275.3	174.5 304.7
	-40. 0.5	TR BHP	238.4 134.3	232.8 173.6	227.0 195.0	220.6 218.2	215.1 247.3	208.5 279.3	200.8 311.8
	-35. 2.6	TR BHP		264.8 168.9	258.1 198.3	251.4 220.7	245.2 249.3	238.0 281.9	230.0 317.2
	-30. 4.9	TR BHP		299.8 156.3	292.6 198.9	285.1 224.2	278.4 251.5	270.8 283.6	262.1 320.3
	-25. 7.4	TR BHP			330.7 193.9	322.2 226.5	315.2 255.1	306.9 286.0	297.7 322.3
	-20. 10.1	TR BHP			372.5 181.0	363.2 227.5	355.7 259.3	346.8 288.9	336.9 324.2
	-15. 13.2	TR BHP				408.2 222.7	400.0 265.1	390.7 293.2	379.7 326.7
	-10. 16.5	TR BHP				457.4 209.0	448.5 265.8	438.6 301.1	427.0 331.2
	-5. 20.1	TR BHP					501.5 258.3	490.9 309.9	478.8 337.8
	0. 24.0	TR BHP						547.7 308.9	535.1 351.2

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

# RDB-134

BOOSTER CAPACITY and BRAKE HORSEPOWER RATINGS @ 3550 RPM

R-22		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 10.2	-10.0 16.5	.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. 20.2*	TR BHP	30.9 60.6	30.0 66.8	29.0 73.7				
	-75. 18.5*	TR BHP	36.3 62.0	35.3 68.7	34.2 75.5	33.0 82.8			
	-70. 16.6*	TR BHP	42.4 63.2	41.3 70.4	40.1 77.6	38.7 85.1	37.3 94.7		
	-65. 14.4*	TR BHP	49.5 64.2	48.1 71.7	46.8 79.7	45.3 87.5	43.6 97.1		
	-60. 12.0*	TR BHP	57.3 65.1	55.8 72.8	54.3 81.4	52.7 89.9	50.8 99.8	48.8 110.3	
	-55. 9.2*	TR BHP	66.1 65.6	64.4 73.8	62.7 82.7	60.9 92.1	59.0 102.5	56.7 113.1	54.4 124.8
	-50. 6.2*	TR BHP	75.9 65.1	74.1 74.6	72.2 83.9	70.2 93.7	68.1 104.9	65.6 116.3	62.9 127.7
	-45. 2.7*	TR BHP	86.9 64.0	84.9 75.1	82.8 84.6	80.5 94.7	78.2 106.8	75.6 119.0	72.6 131.4
	-40. 0.5	TR BHP	99.1 59.3	96.8 75.6	94.5 85.5	92.0 95.9	89.5 108.1	86.7 121.2	83.5 134.6
	-35. 2.6	TR BHP		110.1 74.3	107.5 86.7	104.8 96.5	102.1 109.0	99.0 122.8	95.6 137.2
	-30. 4.9	TR BHP		124.8 69.0	121.8 87.4	118.8 97.9	116.0 110.0	112.7 123.8	109.0 139.0
	-25. 7.4	TR BHP			137.7 85.6	134.3 99.8	131.3 111.2	127.8 124.5	123.8 140.4
	-20. 10.1	TR BHP			155.1 79.9	151.4 100.7	148.1 113.2	144.5 126.0	140.0 140.7
	-15. 13.2	TR BHP				170.1 98.5	166.6 115.8	162.6 127.4	158.1 142.0
	-10. 16.5	TR BHP				190.5 92.1	186.9 116.5	182.5 130.6	177.8 144.2
	-5. 20.1	TR BHP					209.0 113.2	204.3 134.2	199.1 146.4
0. 24.0	TR BHP						228.2 134.4	222.5 150.9	

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

R-22		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 10.2	-10.0 16.5	.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. 20.2*	TR BHP	23.2 45.5	22.5 50.1	21.7 55.3				
	-75. 18.5*	TR BHP	27.2 46.5	26.5 51.5	25.6 56.6	24.7 62.1			
	-70. 16.6*	TR BHP	31.8 47.4	31.0 52.8	30.1 58.2	29.1 63.8	27.9 71.0		
	-65. 14.4*	TR BHP	37.1 48.1	36.1 53.8	35.1 59.8	34.0 65.7	32.7 72.8		
	-60. 12.0*	TR BHP	42.9 48.8	41.9 54.6	40.7 61.0	39.5 67.5	38.1 74.8	36.6 82.7	
	-55. 9.2*	TR BHP	49.6 49.2	48.3 55.4	47.0 62.0	45.7 69.0	44.2 76.9	42.5 84.8	40.8 93.6
	-50. 6.2*	TR BHP	56.9 48.8	55.6 56.0	54.2 62.9	52.6 70.2	51.1 78.7	49.2 87.3	47.2 95.8
	-45. 2.7*	TR BHP	65.2 48.0	63.7 56.3	62.1 63.5	60.3 71.0	58.7 80.1	56.7 89.3	54.5 98.5
	-40. 0.5	TR BHP	74.3 44.4	72.6 56.7	70.9 64.1	69.0 71.9	67.1 81.1	65.0 90.9	62.6 100.9
	-35. 2.6	TR BHP		82.6 55.7	80.6 65.1	78.6 72.4	76.6 81.8	74.3 92.1	71.7 102.9
	-30. 4.9	TR BHP		93.6 51.8	91.4 65.5	89.1 73.4	87.0 82.5	84.5 92.9	81.7 104.3
	-25. 7.4	TR BHP			103.3 64.2	100.7 74.9	98.5 83.4	95.8 93.3	92.8 105.3
	-20. 10.1	TR BHP			116.3 59.9	113.6 75.5	111.1 84.9	108.3 94.5	105.0 105.5
	-15. 13.2	TR BHP				127.6 73.9	124.9 86.8	121.9 95.6	118.6 106.5
	-10. 16.5	TR BHP				142.9 69.1	140.2 87.4	136.9 98.0	133.3 108.2
	-5. 20.1	TR BHP					156.7 84.9	153.3 100.7	149.3 109.8
	0. 24.0	TR BHP						171.1 100.8	166.9 113.1

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

# RDB-546

BOOSTER CAPACITY and BRAKE HORSEPOWER RATINGS @ 3550 RPM

R-717		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG								
		-20.0 3.6	-10.0 9.1	.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	86.1 169.1	81.7 189.7						
	-75. 23.2*	TR BHP	105.0 174.4	100.5 196.0	95.4 218.8					
	-70. 21.9*	TR BHP	127.0 177.5	122.0 202.4	116.8 226.8	111.1 251.5				
	-65. 20.4*	TR BHP	152.0 178.8	146.8 207.6	141.2 234.1	135.2 261.2	128.5 294.1			
	-60. 18.6*	TR BHP	180.7 182.8	175.1 209.7	169.1 240.7	162.7 270.3	155.6 305.6	147.9 340.6		
	-55. 16.6*	TR BHP	213.3 187.4	207.1 212.0	200.7 245.1	193.9 278.1	186.3 316.2	178.4 355.4		
	-50. 14.3*	TR BHP	250.4 190.3	243.6 217.5	236.6 247.0	229.3 284.6	221.1 325.8	212.7 368.2	203.8 411.2	
	-45. 11.7*	TR BHP	292.0 194.0	284.6 222.6	277.0 251.0	269.1 287.8	260.3 334.0	251.1 379.0	242.0 426.1	
	-40. 8.7*	TR BHP	338.8 193.0	331.1 227.9	322.5 257.6	313.9 290.0	304.4 339.7	294.5 389.3	284.1 438.2	
	-35. 5.4*	TR BHP		382.5 231.4	373.3 264.7	364.1 296.0	353.8 342.7	342.9 397.3	332.0 450.8	
	-30. 1.6*	TR BHP		440.5 225.5	430.3 271.8	420.1 304.2	408.8 347.4	397.4 402.3	385.0 460.6	
	-25. 1.3	TR BHP			493.7 272.9	482.3 314.7	470.3 355.0	457.5 406.4	444.5 468.0	
	-20. 3.6	TR BHP				551.3 320.9	538.5 366.0	524.5 413.5	510.9 472.7	
	-15. 6.2	TR BHP				628.4 318.4	614.0 377.8	598.9 424.3	582.8 479.4	
	-10. 9.0	TR BHP					697.2 385.6	680.8 437.1	663.7 488.9	
	-5. 12.2	TR BHP					789.5 382.2	771.4 450.7	752.9 502.5	
	0. 15.7	TR BHP						870.9 460.6	850.4 518.1	

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

BOOSTER CAPACITY and BRAKE HORSEPOWER RATINGS @ 3550 RPM

RDB-399

R-717		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 3.6	-10.0 9.1	.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	62.8 123.3	59.6 138.3					
	-75. 23.2*	TR BHP	76.6 127.2	73.3 142.9	69.6 159.5				
	-70. 21.9*	TR BHP	92.6 129.5	89.0 147.6	85.2 165.4	81.0 183.4			
	-65. 20.4*	TR BHP	110.9 130.4	107.1 151.4	103.0 170.7	98.6 190.5	93.7 214.5		
	-60. 18.6*	TR BHP	131.8 133.3	127.7 152.9	123.3 175.5	118.7 197.1	113.5 222.8	107.8 248.4	
	-55. 16.6*	TR BHP	155.5 136.7	151.0 154.6	146.4 178.7	141.4 202.8	135.9 230.6	130.1 259.2	
	-50. 14.3*	TR BHP	182.6 138.8	177.7 158.6	172.5 180.1	167.2 207.5	161.2 237.6	155.1 268.5	148.6 299.9
	-45. 11.7*	TR BHP	212.9 141.5	207.5 162.3	202.0 183.0	196.2 209.9	189.8 243.6	183.1 276.4	176.5 310.8
	-40. 8.7*	TR BHP	247.1 140.7	241.4 166.2	235.2 187.8	228.9 211.5	222.0 247.7	214.7 283.9	207.2 319.6
	-35. 5.4*	TR BHP		279.0 168.8	272.2 193.0	265.5 215.9	258.0 249.9	250.1 289.7	242.1 328.7
	-30. 1.6*	TR BHP		321.2 164.4	313.8 198.2	306.3 221.8	298.1 253.3	289.8 293.3	280.8 335.9
	-25. 1.3	TR BHP			360.0 199.0	351.7 229.5	342.9 258.9	333.7 296.4	324.2 341.3
	-20. 3.6	TR BHP				402.1 234.0	392.7 266.9	382.5 301.6	372.6 344.7
	-15. 6.2	TR BHP				458.3 232.2	447.8 275.5	436.8 309.4	425.0 349.6
	-10. 9.0	TR BHP					508.5 281.2	496.4 318.7	484.0 356.5
	-5. 12.2	TR BHP					575.7 278.7	562.5 328.7	549.0 366.4
0. 15.7	TR BHP						635.1 335.9	620.2 377.8	

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

**RDB-177**

**BOOSTER CAPACITY and BRAKE HORSEPOWER RATINGS @ 3550 RPM**

<b>R-717</b>		<b>SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG</b>							
		<b>-20.0 3.6</b>	<b>-10.0 9.1</b>	<b>.0 15.7</b>	<b>10.0 23.8</b>	<b>20.0 33.5</b>	<b>30.0 45.1</b>	<b>40.0 58.6</b>	
<b>SATURATED SUCTION TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG (* in Hg)</b>	<b>-80. 24.3*</b>	<b>TR BHP</b>	<b>27.8 54.7</b>	<b>26.4 61.3</b>					
	<b>-75. 23.2*</b>	<b>TR BHP</b>	<b>33.9 56.4</b>	<b>32.5 63.4</b>	<b>30.8 70.7</b>				
	<b>-70. 21.9*</b>	<b>TR BHP</b>	<b>41.0 57.4</b>	<b>39.4 65.4</b>	<b>37.7 73.3</b>	<b>35.9 81.3</b>			
	<b>-65. 20.4*</b>	<b>TR BHP</b>	<b>49.1 57.8</b>	<b>47.5 67.1</b>	<b>45.6 75.7</b>	<b>43.7 84.4</b>	<b>41.5 95.1</b>		
	<b>-60. 18.6*</b>	<b>TR BHP</b>	<b>58.4 59.1</b>	<b>56.6 67.8</b>	<b>54.6 77.8</b>	<b>52.6 87.4</b>	<b>50.3 98.8</b>	<b>47.8 110.1</b>	
	<b>-55. 16.6*</b>	<b>TR BHP</b>	<b>68.9 60.6</b>	<b>66.9 68.5</b>	<b>64.9 79.2</b>	<b>62.7 89.9</b>	<b>60.2 102.2</b>	<b>57.7 114.9</b>	
	<b>-50. 14.3*</b>	<b>TR BHP</b>	<b>80.9 61.5</b>	<b>78.7 70.3</b>	<b>76.5 79.8</b>	<b>74.1 92.0</b>	<b>71.5 105.3</b>	<b>68.7 119.0</b>	<b>65.9 132.9</b>
	<b>-45. 11.7*</b>	<b>TR BHP</b>	<b>94.4 62.7</b>	<b>92.0 72.0</b>	<b>89.5 81.1</b>	<b>87.0 93.0</b>	<b>84.1 107.9</b>	<b>81.2 122.5</b>	<b>78.2 137.7</b>
	<b>-40. 8.7*</b>	<b>TR BHP</b>	<b>109.5 62.4</b>	<b>107.0 73.7</b>	<b>104.2 83.2</b>	<b>101.5 93.7</b>	<b>98.4 109.8</b>	<b>95.2 125.8</b>	<b>91.8 141.6</b>
	<b>-35. 5.4*</b>	<b>TR BHP</b>		<b>123.6 74.8</b>	<b>120.7 85.6</b>	<b>117.7 95.7</b>	<b>114.4 110.8</b>	<b>110.8 128.4</b>	<b>107.3 145.7</b>
	<b>-30. 1.6*</b>	<b>TR BHP</b>		<b>142.4 72.9</b>	<b>139.1 87.8</b>	<b>135.8 98.3</b>	<b>132.1 112.3</b>	<b>128.4 130.0</b>	<b>124.4 148.9</b>
	<b>-25. 1.3</b>	<b>TR BHP</b>			<b>159.6 88.2</b>	<b>155.9 101.7</b>	<b>152.0 114.7</b>	<b>147.9 131.4</b>	<b>143.7 151.3</b>
	<b>-20. 3.6</b>	<b>TR BHP</b>				<b>178.2 103.7</b>	<b>174.0 118.3</b>	<b>169.5 133.7</b>	<b>165.1 152.8</b>
	<b>-15. 6.2</b>	<b>TR BHP</b>				<b>203.1 102.9</b>	<b>198.5 122.1</b>	<b>193.6 137.1</b>	<b>188.4 154.9</b>
	<b>-10. 9.0</b>	<b>TR BHP</b>					<b>225.4 124.6</b>	<b>220.0 141.3</b>	<b>214.5 158.0</b>
	<b>-5. 12.2</b>	<b>TR BHP</b>					<b>255.2 123.5</b>	<b>249.3 145.7</b>	<b>243.3 162.4</b>
	<b>0. 15.7</b>	<b>TR BHP</b>						<b>281.5 148.9</b>	<b>274.9 167.5</b>

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

R-717		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 3.6	-10.0 9.1	.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	10.2 19.2	9.7 21.5					
	-75. 23.2*	TR BHP	12.5 19.8	11.9 22.3	11.3 24.9				
	-70. 21.9*	TR BHP	15.1 20.2	14.5 23.1	13.9 25.9	13.2 28.8			
	-65. 20.4*	TR BHP	18.1 20.5	17.4 23.7	16.8 26.8	16.0 29.9	15.2 33.6		
	-60. 18.6*	TR BHP	21.4 20.8	20.8 24.2	20.1 27.6	19.3 31.1	18.4 35.0	17.5 39.0	
	-55. 16.6*	TR BHP	25.3 21.3	24.6 24.5	23.8 28.3	23.0 32.0	22.1 36.3	21.1 40.7	
	-50. 14.3*	TR BHP	29.8 21.8	28.9 25.1	28.1 28.7	27.2 32.9	26.3 37.4	25.2 42.2	24.1 47.0
	-45. 11.7*	TR BHP	34.7 22.3	33.8 25.6	32.9 29.2	32.0 33.5	30.9 38.4	29.8 43.5	28.7 48.8
	-40. 8.7*	TR BHP	40.3 22.4	39.4 26.3	38.3 30.0	37.3 34.0	36.2 39.2	35.0 44.6	33.8 50.4
	-35. 5.4*	TR BHP		45.5 26.7	44.4 30.7	43.3 34.8	42.0 39.8	40.7 45.6	39.4 51.6
	-30. 1.6*	TR BHP		52.4 26.0	51.2 31.5	49.9 35.7	48.6 40.6	47.2 46.5	45.8 52.7
	-25. 1.3	TR BHP			58.7 31.3	57.3 36.7	55.9 41.6	54.4 47.2	52.8 53.7
	-20. 3.6	TR BHP				65.6 37.2	64.0 42.7	62.4 48.1	60.7 54.5
	-15. 6.2	TR BHP				74.7 36.4	73.0 43.9	71.2 49.4	69.4 55.5
	-10. 9.0	TR BHP					83.0 44.2	81.0 50.7	79.0 56.8
	-5. 12.2	TR BHP					93.9 43.2	91.8 52.1	89.5 58.2
0. 15.7	TR BHP						103.7 52.2	101.2 59.9	

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

# RDB-100

BOOSTER CAPACITY and BRAKE HORSEPOWER RATINGS @ 3550 RPM

R-717		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 3.6	-10.0 9.1	.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	15.6 32.3	14.8 35.8					
	-75. 23.2*	TR BHP	19.1 33.1	18.2 37.1	17.3 41.1				
	-70. 21.9*	TR BHP	23.0 33.8	22.2 38.3	21.2 42.6	20.2 47.2			
	-65. 20.4*	TR BHP	27.6 34.3	26.7 39.1	25.6 44.0	24.6 48.9	23.3 55.1		
	-60. 18.6*	TR BHP	32.8 34.9	31.8 39.9	30.7 45.2	29.5 50.5	28.2 57.2	26.8 63.8	
	-55. 16.6*	TR BHP	38.8 35.2	37.7 40.4	36.5 46.1	35.2 52.0	33.8 59.1	32.4 66.5	
	-50. 14.3*	TR BHP	45.5 35.3	44.2 41.3	43.0 46.8	41.6 53.2	40.1 60.9	38.6 68.9	37.0 76.8
	-45. 11.7*	TR BHP	53.0 35.8	51.7 42.0	50.3 47.7	48.9 54.1	47.3 62.4	45.6 70.8	43.8 79.7
	-40. 8.7*	TR BHP	61.6 35.7	60.1 42.8	58.6 49.1	57.0 54.9	55.3 63.6	53.5 72.7	51.6 81.9
	-35. 5.4*	TR BHP		69.5 43.3	67.8 50.3	66.1 56.4	64.2 64.5	62.3 74.2	60.3 84.1
	-30. 1.6*	TR BHP		80.0 42.2	78.2 51.5	76.2 58.4	74.2 65.6	72.1 75.4	70.0 85.9
	-25. 1.3	TR BHP			89.7 51.5	87.6 60.3	85.4 67.2	83.1 76.4	80.8 87.5
	-20. 3.6	TR BHP				100.3 61.4	97.8 69.1	95.4 77.7	92.7 88.6
	-15. 6.2	TR BHP				114.2 60.6	111.5 71.3	108.8 79.3	106.0 89.9
	-10. 9.0	TR BHP					126.7 72.8	123.7 81.2	120.6 91.1
	-5. 12.2	TR BHP					143.4 72.2	140.1 84.2	136.8 92.5
	0. 15.7	TR BHP						158.1 86.0	154.4 95.3

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

R-717		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 3.6	-10.0 9.1	.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	20.8 43.1	19.8 47.7					
	-75. 23.2*	TR BHP	25.4 44.2	24.3 49.5	23.1 54.8				
	-70. 21.9*	TR BHP	30.7 45.1	29.6 51.0	28.3 56.8	26.9 62.9			
	-65. 20.4*	TR BHP	36.8 45.7	35.5 52.2	34.2 58.7	32.7 65.1	31.1 73.5		
	-60. 18.6*	TR BHP	43.8 46.5	42.4 53.1	40.9 60.2	39.4 67.3	37.6 76.2	35.8 85.1	
	-55. 16.6*	TR BHP	51.7 46.9	50.2 53.9	48.6 61.5	46.9 69.3	45.1 78.8	43.1 88.6	
	-50. 14.3*	TR BHP	60.7 47.1	59.0 55.1	57.3 62.4	55.5 70.9	53.5 81.1	51.4 91.8	49.3 102.4
	-45. 11.7*	TR BHP	70.7 47.8	68.9 56.0	67.1 63.6	65.2 72.2	63.0 83.2	60.8 94.4	58.4 106.3
	-40. 8.7*	TR BHP	82.1 47.6	80.2 57.0	78.1 65.5	76.0 73.2	73.7 84.8	71.3 96.9	68.8 109.2
	-35. 5.4*	TR BHP		92.7 57.7	90.4 67.1	88.1 75.1	85.6 86.0	83.1 98.9	80.4 112.1
	-30. 1.6*	TR BHP		106.7 56.2	104.3 68.6	101.7 77.8	99.0 87.5	96.2 100.6	93.3 114.6
	-25. 1.3	TR BHP			119.6 68.7	116.8 80.4	113.9 89.6	110.8 101.9	107.7 116.7
	-20. 3.6	TR BHP				133.7 81.8	130.4 92.2	127.2 103.6	123.5 118.2
	-15. 6.2	TR BHP				152.2 80.8	148.7 95.0	145.1 105.8	141.3 119.9
	-10. 9.0	TR BHP					168.9 97.1	164.9 108.3	160.9 121.5
	-5. 12.2	TR BHP					191.2 96.3	186.7 112.2	182.5 123.3
	0. 15.7	TR BHP						210.8 114.7	205.9 127.1

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

**RDB-50**

**BOOSTER CAPACITY and BRAKE HORSEPOWER RATINGS @ 1750 RPM**

<b>R-717</b>		<b>SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG</b>							
		<b>-20.0</b> 3.6	<b>-10.0</b> 9.1	<b>.0</b> 15.7	<b>10.0</b> 23.8	<b>20.0</b> 33.5	<b>30.0</b> 45.1	<b>40.0</b> 58.6	
<b>SATURATED SUCTION TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG (* in Hg)</b>	<b>-80.</b> <b>24.3*</b>	<b>TR</b>	7.7	7.3					
		<b>BHP</b>	14.4	16.1					
	<b>-75.</b> <b>23.2*</b>	<b>TR</b>	9.4	8.9	8.5				
		<b>BHP</b>	14.8	16.8	18.7				
	<b>-70.</b> <b>21.9*</b>	<b>TR</b>	11.3	10.9	10.4	9.9			
		<b>BHP</b>	15.2	17.3	19.4	21.6			
	<b>-65.</b> <b>20.4*</b>	<b>TR</b>	13.5	13.1	12.6	12.0	11.4		
		<b>BHP</b>	15.4	17.8	20.1	22.4	25.2		
	<b>-60.</b> <b>18.6*</b>	<b>TR</b>	16.1	15.6	15.1	14.5	13.8	13.1	
		<b>BHP</b>	15.6	18.1	20.7	23.3	26.2	29.2	
	<b>-55.</b> <b>16.6*</b>	<b>TR</b>	19.0	18.5	17.9	17.3	16.6	15.9	
		<b>BHP</b>	16.0	18.4	21.2	24.0	27.2	30.5	
	<b>-50.</b> <b>14.3*</b>	<b>TR</b>	22.3	21.7	21.1	20.4	19.7	18.9	18.1
		<b>BHP</b>	16.3	18.8	21.5	24.6	28.1	31.6	35.3
	<b>-45.</b> <b>11.7*</b>	<b>TR</b>	26.0	25.4	24.7	24.0	23.2	22.4	21.5
		<b>BHP</b>	16.7	19.2	21.9	25.1	28.8	32.7	36.6
	<b>-40.</b> <b>8.7*</b>	<b>TR</b>	30.2	29.5	28.8	28.0	27.1	26.2	25.3
	<b>BHP</b>	16.8	19.7	22.5	25.5	29.4	33.5	37.8	
<b>-35.</b> <b>5.4*</b>	<b>TR</b>		34.1	33.3	32.5	31.5	30.6	29.6	
	<b>BHP</b>		20.0	23.1	26.1	29.9	34.2	38.7	
<b>-30.</b> <b>1.6*</b>	<b>TR</b>		39.3	38.4	37.4	36.5	35.4	34.3	
	<b>BHP</b>		19.5	23.6	26.8	30.4	34.8	39.5	
<b>-25.</b> <b>1.3</b>	<b>TR</b>			44.0	43.0	41.9	40.8	39.6	
	<b>BHP</b>			23.5	27.5	31.2	35.4	40.3	
<b>-20.</b> <b>3.6</b>	<b>TR</b>				49.2	48.0	46.8	45.5	
	<b>BHP</b>				27.9	32.0	36.1	40.9	
<b>-15.</b> <b>6.2</b>	<b>TR</b>				56.0	54.7	53.4	52.0	
	<b>BHP</b>				27.3	32.9	37.0	41.6	
<b>-10.</b> <b>9.0</b>	<b>TR</b>					62.2	60.8	59.3	
	<b>BHP</b>					33.2	38.0	42.6	
<b>-5.</b> <b>12.2</b>	<b>TR</b>					70.4	68.8	67.1	
	<b>BHP</b>					32.4	39.1	43.6	
<b>0.</b> <b>15.7</b>	<b>TR</b>						77.7	75.9	
	<b>BHP</b>						39.2	45.0	

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

R-717		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 3.6	-10.0 9.1	.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	35.0 68.8	33.2 77.2					
	-75. 23.2*	TR BHP	42.7 71.0	40.9 79.8	38.8 89.0				
	-70. 21.9*	TR BHP	51.7 72.2	49.7 82.4	47.5 92.3	45.2 102.4			
	-65. 20.4*	TR BHP	61.9 72.8	59.8 84.5	57.5 95.3	55.0 106.3	52.3 119.7		
	-60. 18.6*	TR BHP	73.5 74.4	71.3 85.4	68.8 98.0	66.2 110.0	63.3 124.4	60.2 138.6	
	-55. 16.6*	TR BHP	86.8 76.3	84.3 86.3	81.7 99.8	78.9 113.2	75.8 128.7	72.6 144.6	
	-50. 14.3*	TR BHP	101.9 77.5	99.2 88.5	96.3 100.5	93.3 115.8	90.0 132.6	86.6 149.9	83.0 167.4
	-45. 11.7*	TR BHP	118.8 79.0	115.8 90.6	112.7 102.1	109.5 117.1	105.9 135.9	102.2 154.3	98.5 173.4
	-40. 8.7*	TR BHP	137.9 78.5	134.7 92.8	131.3 104.8	127.8 118.0	123.9 138.3	119.8 158.4	115.6 178.4
	-35. 5.4*	TR BHP		155.7 94.2	151.9 107.7	148.2 120.5	144.0 139.5	139.6 161.7	135.1 183.5
	-30. 1.6*	TR BHP		179.3 91.8	175.1 110.6	171.0 123.8	166.4 141.4	161.7 163.7	156.7 187.4
	-25. 1.3	TR BHP			200.9 111.1	196.3 128.1	191.4 144.5	186.2 165.4	180.9 190.5
	-20. 3.6	TR BHP				224.4 130.6	219.1 149.0	213.5 168.3	207.9 192.4
	-15. 6.2	TR BHP				255.8 129.6	249.9 153.8	243.8 172.7	237.2 195.1
	-10. 9.0	TR BHP					283.8 157.0	277.1 177.9	270.1 199.0
	-5. 12.2	TR BHP					321.3 155.6	314.0 183.4	306.4 204.5
	0. 15.7	TR BHP						354.5 187.5	346.1 210.9

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

# RDB-316

BOOSTER CAPACITY and BRAKE HORSEPOWER RATINGS @ 3550 RPM

R-717		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 3.6	-10.0 9.1	.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	49.8 97.9	47.3 109.9					
	-75. 23.2*	TR BHP	60.8 101.0	58.2 113.5	55.3 126.7				
	-70. 21.9*	TR BHP	73.5 102.8	70.7 117.2	67.6 131.3	64.3 145.6			
	-65. 20.4*	TR BHP	88.0 103.6	85.0 120.2	81.8 135.6	78.3 151.3	74.4 170.3		
	-60. 18.6*	TR BHP	104.6 105.9	101.4 121.5	97.9 139.4	94.2 156.5	90.1 176.9	85.6 197.3	
	-55. 16.6*	TR BHP	123.5 108.5	119.9 122.8	116.2 141.9	112.3 161.0	107.9 183.1	103.3 205.8	
	-50. 14.3*	TR BHP	145.0 110.2	141.1 125.9	137.0 143.0	132.8 164.8	128.0 188.7	123.2 213.2	118.0 238.1
	-45. 11.7*	TR BHP	169.1 112.4	164.8 128.9	160.4 145.3	155.8 166.7	150.7 193.4	145.4 219.5	140.1 246.8
	-40. 8.7*	TR BHP	196.2 111.7	191.7 132.0	186.8 149.2	181.8 167.9	176.3 196.7	170.5 225.4	164.5 253.8
	-35. 5.4*	TR BHP		221.5 134.0	216.2 153.3	210.8 171.4	204.9 198.5	198.6 230.1	192.2 261.0
	-30. 1.6*	TR BHP		255.1 130.6	249.2 157.4	243.3 176.2	236.8 201.1	230.1 232.9	223.0 266.7
	-25. 1.3	TR BHP			285.9 158.1	279.3 182.2	272.3 205.6	265.0 235.3	257.4 271.0
	-20. 3.6	TR BHP				319.3 185.9	311.8 212.0	303.7 239.5	295.9 273.7
	-15. 6.2	TR BHP				363.9 184.4	355.6 218.8	346.8 245.7	337.5 277.6
	-10. 9.0	TR BHP					403.8 223.3	394.2 253.1	384.3 283.1
	-5. 12.2	TR BHP					457.2 221.4	446.7 261.0	436.0 291.0
0. 15.7	TR BHP						504.3 266.7	492.5 300.0	

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

BOOSTER CAPACITY and BRAKE HORSEPOWER RATINGS @ 1750 RPM

RDB-50

R-22		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 10.2	-10.0 16.5	.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. 20.2*	TR BHP	11.4 20.0	11.0 22.3	10.7 24.8				
	-75. 18.5*	TR BHP	13.3 20.5	13.0 22.9	12.6 25.4	12.1 28.0			
	-70. 16.6*	TR BHP	15.6 21.0	15.2 23.6	14.7 26.1	14.3 28.8	13.7 32.2		
	-65. 14.4*	TR BHP	18.2 21.4	17.7 24.0	17.2 26.9	16.7 29.7	16.1 33.0		
	-60. 12.0*	TR BHP	21.1 21.7	20.5 24.5	20.0 27.5	19.4 30.6	18.7 34.0	18.0 37.6	
	-55. 9.2*	TR BHP	24.3 22.0	23.7 24.8	23.1 28.0	22.4 31.3	21.7 34.9	20.9 38.6	20.0 42.7
	-50. 6.2*	TR BHP	27.9 21.7	27.2 25.1	26.5 28.4	25.8 31.9	25.0 35.8	24.1 39.7	23.2 43.8
	-45. 2.7*	TR BHP	32.0 21.1	31.2 25.3	30.4 28.7	29.6 32.3	28.7 36.5	27.8 40.7	26.7 45.0
	-40. 0.5	TR BHP	36.4 19.5	35.6 25.3	34.7 29.0	33.8 32.6	32.9 37.0	31.9 41.5	30.7 46.1
	-35. 2.6	TR BHP		40.5 24.6	39.5 29.3	38.5 32.9	37.5 37.3	36.4 42.1	35.1 47.1
	-30. 4.9	TR BHP		45.8 22.8	44.8 29.3	43.7 33.4	42.6 37.7	41.4 42.5	40.1 47.8
	-25. 7.4	TR BHP			50.6 28.6	49.4 33.8	48.3 38.2	47.0 43.0	45.5 48.3
	-20. 10.1	TR BHP			57.0 26.6	55.6 33.9	54.4 38.7	53.1 43.4	51.5 48.7
	-15 13.2	TR BHP				62.5 33.0	61.2 39.8	59.8 44.0	58.1 49.3
	-10. 16.5	TR BHP				70.0 30.8	68.6 39.5	67.0 45.2	65.3 49.9
	-5. 20.1	TR BHP					76.8 38.1	75.1 46.5	73.1 50.6
0. 24.0	TR BHP						83.8 45.7	81.7 53.1	

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

# RDB-67

## BOOSTER CAPACITY and BRAKE HORSEPOWER RATINGS @ 1750 RPM

R-22		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 10.2	-10.0 16.5	.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. 20.2*	TR BHP	15.1 26.7	14.7 29.8	14.2 33.0				
	-75. 18.5*	TR BHP	17.8 27.4	17.3 30.6	16.7 33.9	16.2 37.3			
	-70. 16.6*	TR BHP	20.8 28.0	20.3 31.4	19.7 34.8	19.0 38.4	18.3 42.9		
	-65. 14.4*	TR BHP	24.2 28.5	23.6 32.0	22.9 35.8	22.2 39.6	21.4 44.0		
	-60. 12.0*	TR BHP	28.1 29.0	27.3 32.6	26.6 36.7	25.8 40.7	24.9 45.3	24.0 50.2	
	-55. 9.2*	TR BHP	32.4 29.3	31.6 33.1	30.7 37.3	29.9 41.8	28.9 46.6	27.8 51.5	26.7 57.0
	-50. 6.2*	TR BHP	37.2 29.0	36.3 33.5	35.4 37.8	34.4 42.5	33.3 47.7	32.2 53.0	30.9 58.4
	-45. 2.7*	TR BHP	42.6 28.1	41.6 33.8	40.5 38.2	39.5 43.1	38.3 48.7	37.0 54.3	35.6 60.0
	-40. 0.5	TR BHP	48.6 26.0	47.4 33.7	46.3 38.7	45.1 43.5	43.9 49.3	42.5 55.4	40.9 61.5
	-35. 2.6	TR BHP		54.0 32.8	52.7 39.1	51.3 43.9	50.0 49.8	48.5 56.2	46.8 62.8
	-30. 4.9	TR BHP		61.1 30.5	59.7 39.1	58.3 44.5	56.8 50.3	55.2 56.7	53.4 63.8
	-25. 7.4	TR BHP			67.5 38.1	65.8 45.1	64.3 50.9	62.6 57.3	60.7 64.4
	-20. 10.1	TR BHP			75.9 35.5	74.2 45.2	72.6 51.6	70.7 57.9	68.7 64.9
	-15. 13.2	TR BHP				83.3 44.1	81.6 53.1	79.7 58.7	77.5 65.7
	-10. 16.5	TR BHP				93.3 41.0	91.5 52.7	89.4 60.2	87.1 66.5
	-5. 20.1	TR BHP					102.3 50.9	100.1 62.0	97.5 67.5
0. 24.0	TR BHP						111.7 60.9	108.9 70.8	

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

R-22		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 10.2	-10.0 16.5	.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. 20.2*	TR BHP	41.5 77.1	40.2 85.7	38.9 94.6				
	-75. 18.5*	TR BHP	48.8 78.4	47.3 87.9	45.8 97.2	44.2 107.0			
	-70. 16.6*	TR BHP	57.0 79.4	55.5 89.6	53.8 99.8	52.0 110.0	50.0 122.4		
	-65. 14.4*	TR BHP	66.4 80.5	64.6 90.9	62.7 102.1	60.8 112.9	58.5 125.6		
	-60. 12.0*	TR BHP	77.0 81.7	74.9 91.9	72.8 103.7	70.6 115.7	68.1 129.0	65.5 142.7	
	-55. 9.2*	TR BHP	88.8 82.8	86.5 92.9	84.1 105.0	81.7 117.9	79.1 132.2	76.0 146.5	73.0 161.4
	-50. 6.2*	TR BHP	102.0 84.4	99.5 94.3	96.8 106.2	94.1 119.4	91.3 135.0	88.0 150.4	84.4 165.5
	-45. 2.7*	TR BHP	116.8 81.9	113.9 96.1	111.0 107.3	107.9 120.6	104.9 136.8	101.5 153.6	97.4 170.1
	-40. 0.5	TR BHP	133.0 75.0	129.9 96.9	126.7 108.8	123.3 121.9	120.0 138.0	116.4 155.9	112.1 174.0
	-35. 2.6	TR BHP		147.8 94.3	144.1 110.7	140.3 123.2	136.8 139.1	132.8 157.3	128.4 177.0
	-30. 4.9	TR BHP		167.3 87.2	163.3 111.0	159.1 125.1	155.4 140.4	151.2 158.3	146.3 178.8
	-25. 7.4	TR BHP			184.6 108.2	179.8 126.4	175.9 142.4	171.3 159.6	166.1 179.9
	-20. 10.1	TR BHP			207.9 101.0	202.7 127.0	198.5 144.7	193.6 161.2	188.0 180.9
	-15. 13.2	TR BHP				227.8 124.3	223.2 148.0	218.0 163.7	211.9 182.3
	-10. 16.5	TR BHP				255.3 116.7	250.3 148.3	244.8 168.1	238.3 184.9
	-5. 20.1	TR BHP					279.9 144.2	274.0 172.9	267.2 188.5
	0. 24.0	TR BHP						305.7 172.4	298.7 196.0

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

# RDB-222

BOOSTER CAPACITY and BRAKE HORSEPOWER RATINGS @ 3550 RPM

R-22		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG							
		-20.0 10.2	-10.0 16.5	.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. 20.2*	TR BHP	52.2 97.0	50.6 107.9	48.9 119.2				
	-75. 18.5*	TR BHP	61.4 98.8	59.6 110.6	57.7 122.4	55.7 134.8			
	-70. 16.6*	TR BHP	71.8 100.0	69.8 112.9	67.7 125.6	65.4 138.5	62.9 154.1		
	-65. 14.4*	TR BHP	83.6 101.4	81.4 114.5	79.0 128.5	76.5 142.2	73.7 158.1		
	-60. 12.0*	TR BHP	96.9 102.9	94.3 115.8	91.7 130.6	89.0 145.7	85.8 162.4	82.5 179.6	
	-55. 9.2*	TR BHP	111.8 104.3	108.9 117.0	106.0 132.2	102.9 148.5	99.6 166.5	95.7 184.4	91.9 203.3
	-50. 6.2*	TR BHP	128.4 106.3	125.3 118.8	121.9 133.7	118.5 150.3	115.0 170.0	110.8 189.4	106.3 208.4
	-45. 2.7*	TR BHP	147.0 103.1	143.4 121.1	139.7 135.1	135.8 151.9	132.1 172.2	127.8 193.5	122.6 214.2
	-40. 0.5	TR BHP	167.5 94.4	163.6 122.0	159.5 137.0	155.2 153.5	151.1 173.8	146.5 196.3	141.1 219.1
	-35. 2.6	TR BHP		186.1 118.7	181.4 139.3	176.7 155.1	172.3 175.2	167.3 198.1	161.7 222.9
	-30. 4.9	TR BHP		210.7 109.8	205.7 139.8	200.4 157.6	195.7 176.8	190.3 199.3	184.2 225.1
	-25. 7.4	TR BHP			232.4 136.3	226.5 159.2	221.6 179.3	215.7 201.0	209.2 226.5
	-20. 10.1	TR BHP			261.8 127.2	255.3 159.9	250.0 182.2	243.7 203.0	236.8 227.9
	-15. 13.2	TR BHP				286.9 156.5	281.1 186.3	274.6 206.1	266.8 229.5
	-10. 16.5	TR BHP				321.5 146.9	315.2 186.8	308.3 211.6	300.1 232.8
	-5. 20.1	TR BHP					352.5 181.6	345.0 217.8	336.5 237.4
	0. 24.0	TR BHP						384.9 217.1	376.1 246.8

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

BOOSTER CAPACITY and BRAKE HORSEPOWER RATINGS @ 3550 RPM

RDB-546

R-22		SATURATED INTERMEDIATE TEMPERATURE, °F/CORRESPONDING PRESSURE; PSIG							
		-20.0 10.2	-10.0 16.5	.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. 20.2*	TR BHP	128.3 238.4	124.4 265.1	120.2 292.8				
	-75. 18.5*	TR BHP	150.9 242.7	146.5 271.8	141.8 300.7	136.9 331.1			
	-70. 16.6*	TR BHP	176.5 245.7	171.6 277.4	166.4 308.7	160.8 340.4	154.6 378.6		
	-65. 14.4*	TR BHP	205.5 249.1	199.9 281.2	194.1 315.8	188.0 349.4	181.0 388.5		
	-60. 12.0*	TR BHP	238.1 252.7	231.7 284.4	225.4 320.9	218.6 358.0	210.8 399.1	202.6 441.4	
	-55. 9.2*	TR BHP	274.7 256.3	267.7 287.4	260.3 324.9	252.9 364.8	244.7 409.2	235.2 453.1	225.7 499.5
	-50. 6.2*	TR BHP	315.5 261.2	307.8 291.9	299.5 328.5	291.1 369.4	282.5 417.8	272.2 465.3	261.1 512.1
	-45. 2.7*	TR BHP	361.3 253.4	352.4 297.5	343.4 332.0	333.7 373.2	324.6 423.1	313.9 475.4	301.3 526.3
	-40. 0.5	TR BHP	411.7 232.0	402.0 299.8	392.0 336.7	381.0 376.9	371.4 427.0	360.0 482.3	346.8 538.4
	-35. 2.6	TR BHP		457.2 291.7	445.8 342.4	434.1 381.1	423.4 430.5	411.0 486.7	397.2 547.7
	-30. 4.9	TR BHP		517.8 269.8	505.3 343.4	492.3 387.1	480.8 434.4	467.7 489.8	452.6 553.1
	-25. 7.4	TR BHP			571.1 334.9	556.4 391.1	544.4 440.5	530.0 493.8	514.0 556.5
	-20. 10.1	TR BHP			643.2 312.5	627.2 392.9	614.2 447.7	598.9 498.9	581.8 559.9
	-15. 13.2	TR BHP				704.9 384.5	690.7 457.8	674.6 506.4	655.7 564.1
	-10. 16.5	TR BHP				789.9 361.0	774.5 458.9	757.4 520.0	737.4 572.0
	-5. 20.1	TR BHP					866.1 446.1	847.6 535.1	826.7 583.3
0. 24.0	TR BHP						945.7 533.5	924.1 606.4	

NOTE: Capacities based on liquid at intermediate saturation temperature and NO Suction Superheat.

