

# RXB-39

HIGH STAGE - CAPACITY and BRAKE HORSEPOWER RATING (3550 RPM MOTOR)

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	18.3 49.9	17.8 55.9	17.2 82.5	18.7 70.2	16.2 79.2
	-35. 5.4*	TR BHP	21.2 52.3	20.6 58.6	20.0 85.3	19.4 72.8	18.8 81.4
	-30. 1.6*	TR BHP	24.3 54.7	23.7 61.3	23.1 68.4	22.3 75.9	21.6 84.3
	-25. 1.3	TR BHP	27.9 57.2	27.2 64.1	26.4 71.5	25.7 79.4	24.9 87.8
	-20. 3.8	TR BHP	31.9 59.6	31.0 66.9	30.2 74.7	29.4 82.9	28.5 91.7
	-15. 6.2	TR BHP	36.3 61.8	35.3 69.7	34.4 77.9	33.4 86.5	32.5 95.7
	-10. 9.0	TR BHP	41.2 63.9	40.1 72.3	39.0 81.0	37.9 90.1	36.9 99.7
	-5. 12.2	TR BHP	46.7 65.8	45.4 74.8	44.2 84.1	42.9 93.7	41.7 103.7
	0. 15.7	TR BHP	52.7 67.1	51.2 77.0	49.8 87.0	48.4 97.2	47.1 107.8
	5. 19.6	TR BHP	59.4 67.9	57.7 78.8	56.0 89.6	54.5 100.5	53.0 111.8
	10. 23.8	TR BHP	66.8 68.6	64.8 80.0	62.9 91.9	61.1 103.6	59.4 115.6
	15. 28.4	TR BHP	75.0 69.1	72.7 80.8	70.6 93.4	68.5 106.4	66.5 119.1
	20. 33.5	TR BHP	83.8 69.7	81.4 81.3	78.9 94.5	76.6 108.5	74.3 122.4
	25. 39.0	TR BHP	93.5 70.6	90.8 82.0	88.1 95.3	85.4 109.9	82.8 125.2
	30. 45.0	TR BHP	103.9 71.4	101.1 82.9	98.1 95.9	95.0 110.9	92.1 126.9
	35. 51.6	TR BHP	115.3 71.4	112.1 83.9	108.9 96.8	105.6 111.5	102.3 128.2
	40. 58.6	TR BHP	127.9 70.4	124.1 84.6	120.6 97.9	117.0 112.5	113.4 129.2

NOTE: Capacities based on 10°F liquid subcooling, 10°F suction superheat, with superheat enthalpy not contributing to the refrigeration effect.

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HIGH STAGE - CAPACITY and BRAKE HORSEPOWER RATING (3550 RPM MOTOR)

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 0.5	TR BHP	20.3 53.7	19.1 58.8	17.8 64.6	16.4 71.0	15.1 77.8	13.7 85.9
	-35.0 2.8	TR BHP	23.3 56.1	21.9 61.8	20.4 67.8	19.0 74.1	17.5 80.9	16.0 88.8
	-30.0 4.9	TR BHP	26.5 58.8	25.0 64.5	23.4 70.7	21.8 77.5	20.2 84.3	18.5 92.2
	-25.0 7.4	TR BHP	30.1 60.8	28.4 67.2	26.7 73.9	24.9 80.8	23.1 88.3	21.3 95.9
	-20.0 10.1	TR BHP	34.1 62.8	32.2 69.8	30.3 76.9	28.3 84.3	26.3 92.0	24.3 99.9
	-15.0 13.2	TR BHP	38.4 64.4	36.4 72.1	34.2 79.9	32.1 87.6	29.9 95.8	27.7 104.0
	-10.0 16.5	TR BHP	43.2 65.7	40.9 74.2	38.5 82.5	36.2 91.0	33.8 99.5	31.4 108.4
	-5.0 20.1	TR BHP	48.3 66.7	45.8 75.8	43.2 84.8	40.7 93.9	38.0 103.1	35.4 112.4
	0.0 24.0	TR BHP	53.9 67.5	51.2 77.0	48.4 86.8	45.5 96.6	42.7 106.5	39.8 116.5
	5.0 28.2	TR BHP	60.1 68.2	57.1 78.0	54.0 88.2	50.9 98.8	47.7 109.5	44.6 120.3
	10.0 32.8	TR BHP	66.7 68.4	63.5 78.9	60.1 89.4	56.6 100.6	53.2 112.0	49.7 123.5
	15.0 37.7	TR BHP	73.9 68.5	70.4 79.3	66.7 90.4	62.9 102.0	59.2 114.3	55.4 126.5
	20.0 43.0	TR BHP	81.7 68.4	77.8 79.4	73.8 91.0	69.7 103.1	65.6 115.8	61.5 129.3
	25.0 48.8	TR BHP	90.0 67.9	85.9 79.6	81.5 91.4	77.0 103.9	72.6 117.1	68.1 131.0
	30.0 54.9	TR BHP	99.1 67.0	94.6 79.6	89.8 91.8	84.9 104.6	80.1 118.1	75.2 132.4
	35.0 61.5	TR BHP	108.9 65.3	104.0 78.9	98.8 92.1	93.5 105.0	88.2 118.9	82.9 133.5
	40.0 68.5	TR BHP	119.4 62.8	114.0 77.7	108.4 92.1	102.7 105.6	96.9 119.5	91.1 134.3

NOTE: Capacities based on 10°F liquid subcooling, 10°F suction superheat, with superheat enthalpy not contributing to the refrigeration effect.