

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

RWF 100

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	48.64 122.76	47.06 138.99	45.44 157.83	43.97 182.08	42.44 212.33
	-35 5.4*	TR BHP	56.49 128.27	54.64 144.25	52.84 162.71	51.01 183.98	49.34 211.36
	-30 1.6*	TR BHP	65.27 133.99	63.22 150.51	61.13 168.56	59.09 189.41	57.02 213.41
	-25 1.3	TR BHP	75.01 139.89	72.80 157.03	70.48 175.60	68.11 195.95	65.81 219.32
	-20 3.6	TR BHP	85.88 145.79	83.40 163.77	80.88 183.00	78.25 203.77	75.59 226.60
	-15 6.2	TR BHP	98.04 151.66	95.14 170.47	92.38 190.62	89.51 212.11	86.54 235.26
	-10 9.0	TR BHP	111.49 157.09	108.29 177.30	105.06 198.28	101.94 220.69	98.69 244.60
	-5 12.2	TR BHP	126.36 162.06	122.78 183.69	119.18 206.06	115.60 229.40	112.08 254.21
	0 15.7	TR BHP	142.71 166.25	138.77 189.60	134.76 213.51	130.72 238.16	126.74 264.06
	5 19.6	TR BHP	160.65 169.50	156.31 194.77	151.88 220.43	147.42 246.76	142.87 273.85
	10 23.8	TR BHP	180.30 171.74	175.52 198.98	170.66 226.66	165.70 254.77	160.71 283.69
	15 28.4	TR BHP	201.76 172.75	196.50 202.09	191.16 231.92	185.73 262.16	180.20 292.92
	20 33.5	TR BHP	225.29 173.21	219.37 203.95	213.50 236.01	207.55 268.56	201.48 301.51
	25 39.0	TR BHP	251.41 173.31	244.29 204.65	237.81 238.86	231.28 273.77	224.65 309.16
	30 45.0	TR BHP	279.67 171.84	271.61 205.23	264.21 240.19	257.05 277.65	249.80 315.58
	35 51.6	TR BHP	310.35 168.66	301.87 204.50	292.94 240.74	284.99 280.01	277.04 320.58
40 58.6	TR BHP	344.27 164.36	334.09 202.35	324.60 241.27	315.25 280.98	306.53 324.11	

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).

RWF 100E

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	56.95 131.17	56.29 149.18	55.58 169.86	55.03 195.93	54.39 227.78
	-35 5.4*	TR BHP	65.48 136.82	64.70 154.78	63.97 175.35	63.17 198.81	62.56 228.32
	-30 1.6*	TR BHP	74.91 142.56	74.11 161.25	73.24 181.65	72.42 204.99	71.54 231.55
	-25 1.3	TR BHP	85.23 148.36	84.48 167.83	83.58 188.96	82.61 212.07	81.69 238.38
	-20 3.6	TR BHP	96.62 154.05	95.82 174.48	94.94 196.46	93.92 220.25	92.85 246.31
	-15 6.2	TR BHP	109.22 159.60	108.21 180.95	107.34 204.03	106.33 228.74	105.18 255.41
	-10 9.0	TR BHP	122.98 164.61	121.93 187.46	120.83 211.46	119.85 237.28	118.68 264.96
	-5 12.2	TR BHP	138.01 169.05	136.88 193.39	135.69 218.87	134.50 245.76	133.37 274.53
	0 15.7	TR BHP	154.33 172.63	153.15 198.72	151.88 225.82	150.52 254.12	149.23 284.15
	5 19.6	TR BHP	172.01 175.19	170.81 203.16	169.44 232.09	168.00 262.16	166.46 293.49
	10 23.8	TR BHP	191.13 176.68	189.85 206.61	188.46 237.56	186.90 269.45	185.29 302.70
	15 28.4	TR BHP	211.77 176.86	210.41 208.85	208.94 241.93	207.34 275.99	205.57 311.13
	20 33.5	TR BHP	234.08 176.51	232.53 209.77	231.01 245.03	229.33 281.37	227.46 318.76
	25 39.0	TR BHP	258.58 175.80	256.31 209.46	254.68 246.81	252.90 285.48	250.99 325.21
	30 45.0	TR BHP	284.70 173.55	282.04 209.04	280.05 246.94	278.20 288.15	276.14 330.43
	35 51.6	TR BHP	312.67 169.67	310.23 207.33	307.26 246.31	305.26 289.15	303.04 334.06
40 58.6	TR BHP		339.75 204.25	336.88 245.62	334.11 288.78	331.82 336.14	

Condition is outside the operating range for economizer operation.

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.

RWF 134

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	64.86 163.69	62.74 185.32	60.59 210.44	58.63 242.77	56.59 283.11
	-35 5.4*	TR BHP	75.32 171.03	72.85 192.34	70.46 216.95	68.01 245.31	65.78 281.82
	-30 1.6*	TR BHP	87.03 178.65	84.30 200.68	81.50 224.75	78.79 252.55	76.02 284.54
	-25 1.3	TR BHP	100.01 186.52	97.06 209.38	93.97 234.13	90.82 261.27	87.74 292.43
	-20 3.6	TR BHP	114.50 194.39	111.20 218.35	107.84 244.00	104.33 271.69	100.79 302.14
	-15 6.2	TR BHP	130.72 202.21	126.85 227.29	123.17 254.16	119.35 282.81	115.39 313.67
	-10 9.0	TR BHP	148.65 209.46	144.38 236.40	140.08 264.38	135.92 294.25	131.59 326.14
	-5 12.2	TR BHP	168.48 216.07	163.71 244.93	158.91 274.75	154.13 305.87	149.44 338.94
	0 15.7	TR BHP	190.28 221.66	185.02 252.81	179.69 284.68	174.29 317.55	168.98 352.07
	5 19.6	TR BHP	214.20 226.00	208.42 259.69	202.51 293.90	196.55 329.02	190.50 365.14
	10 23.8	TR BHP	240.40 228.98	234.02 265.31	227.54 302.22	220.93 339.69	214.28 378.26
	15 28.4	TR BHP	269.02 230.33	261.99 269.45	254.88 309.23	247.64 349.55	240.26 390.56
	20 33.5	TR BHP	300.39 230.94	292.49 271.93	284.67 314.68	276.73 358.08	268.64 402.02
	25 39.0	TR BHP	335.22 231.08	325.72 272.86	317.08 318.48	308.38 365.03	299.53 412.21
	30 45.0	TR BHP	372.89 229.13	362.15 273.64	352.28 320.25	342.74 370.20	333.06 420.77
	35 51.6	TR BHP	413.79 224.88	402.49 272.67	390.59 320.98	379.98 373.35	369.39 427.44
40 58.6	TR BHP	459.03 219.15	445.45 269.80	432.80 321.69	420.33 374.64	408.70 432.15	

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).

RWF 134E

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 TR 8.7* BHP	75.96 174.96	75.06 198.95	74.11 226.50	73.36 261.21	72.52 303.70
	-35 TR 5.4* BHP	87.34 182.51	86.29 206.43	85.30 233.84	84.22 265.07	83.41 304.43
	-30 TR 1.6* BHP	99.91 190.18	98.84 215.06	97.66 242.22	96.56 273.30	95.38 308.72
	-25 TR 1.3 BHP	113.69 197.93	112.67 223.85	111.45 251.96	110.14 282.74	108.92 317.83
	-20 TR 3.6 BHP	128.89 205.53	127.78 232.72	126.59 261.98	125.22 293.61	123.80 328.44
	-15 TR 6.2 BHP	145.70 212.95	144.32 241.37	143.13 272.06	141.76 304.94	140.25 340.59
	-10 TR 9.0 BHP	164.06 219.66	162.62 250.05	161.12 281.96	159.78 316.35	158.27 353.37
	-5 TR 12.2 BHP	184.12 225.60	182.56 257.98	180.93 291.85	179.32 327.67	177.87 366.22
	0 TR 15.7 BHP	205.91 230.36	204.28 265.09	202.52 301.12	200.70 338.84	199.03 379.07
	5 TR 19.6 BHP	229.49 233.82	227.84 271.04	225.94 309.51	224.02 349.58	222.04 391.60
	10 TR 23.8 BHP	254.99 235.77	253.24 275.70	251.31 316.82	249.22 359.31	247.16 403.94
	15 TR 28.4 BHP	282.50 236.03	280.69 278.70	278.67 322.69	276.47 368.03	274.24 415.21
	20 TR 33.5 BHP	312.26 235.51	310.19 279.92	308.09 326.85	305.80 375.16	303.44 425.41
	25 TR 39.0 BHP	344.93 234.53	341.91 279.48	339.68 329.25	337.21 380.66	334.84 433.97
	30 TR 45.0 BHP	379.74 231.49	376.20 278.89	373.54 329.45	370.94 384.23	368.37 440.97
	35 TR 51.6 BHP	417.02 226.29	413.78 276.57	409.82 328.63	407.01 385.68	404.21 445.74
40 TR 58.6 BHP		453.09 272.42	449.29 327.66	445.54 385.18	442.53 448.41	

Condition is outside the operating range for economizer operation.

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.

RWF 177

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	86.2 212.4	82.6 238.2	79.0 266.9	75.2 300.2	71.4 340.5
	-35. 5.4*	TR BHP	100.5 222.8	96.7 249.4	92.7 278.5	88.5 310.8	84.3 348.1
	-30. 1.6*	TR BHP	116.6 233.4	112.4 261.2	108.0 291.1	103.5 323.7	98.8 359.9
	-25. 1.3	TR BHP	134.5 244.3	129.9 273.4	125.1 304.5	120.2 337.9	115.2 374.4
	-20. 3.6	TR BHP	154.3 254.9	149.4 285.8	144.2 318.3	138.8 353.0	133.3 390.2
	-15. 6.2	TR BHP	176.3 265.0	170.9 298.0	165.2 332.4	159.4 368.6	153.3 407.2
	-10. 9.0	TR BHP	200.6 274.2	194.6 309.8	188.5 346.4	182.1 384.5	175.5 424.7
	-5. 12.2	TR BHP	227.3 282.4	220.8 320.6	214.1 360.0	207.1 400.5	200.0 442.6
	0. 15.7	TR BHP	256.8 289.5	249.5 330.5	242.2 372.7	234.6 416.0	226.8 460.6
	5. 19.6	TR BHP	289.3 295.0	281.1 339.1	273.0 384.3	264.8 430.7	256.3 478.2
	10. 23.8	TR BHP	324.6 298.3	315.8 346.3	306.6 394.6	297.7 444.2	288.5 495.1
	15. 28.4	TR BHP	363.0 299.3	353.7 351.3	343.7 403.5	333.6 456.4	323.5 510.7
	20. 33.5	TR BHP	405.1 298.1	394.7 353.8	384.1 410.5	372.9 467.1	361.7 525.1
	25. 39.0	TR BHP	451.5 295.9	439.2 353.7	427.7 414.7	415.8 476.1	403.3 537.7
	30. 45.0	TR BHP	501.9 292.6	488.2 351.5	475.0 416.1	462.2 482.3	448.8 548.7
	35. 51.6	TR BHP	556.8 288.0	541.5 348.9	526.4 414.6	512.3 485.4	498.0 557.2
40. 58.6	TR BHP	615.8 281.7	599.5 344.4	582.7 412.1	566.4 485.4	550.9 562.2	

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).

RWF 177E

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	100.92 227.68	98.92 256.57	96.66 288.51	94.21 324.86	91.61 367.93
	-35 5.4*	TR BHP	116.59 238.44	114.56 268.50	112.31 301.30	109.78 337.43	107.06 378.38
	-30 1.6*	TR BHP	133.91 249.27	131.85 280.83	129.56 314.85	127.04 351.90	124.22 392.58
	-25 1.3	TR BHP	152.92 260.03	150.89 293.25	148.57 328.89	146.01 367.22	143.19 408.90
	-20 3.6	TR BHP	173.78 270.35	171.74 305.64	169.44 343.06	166.82 383.14	163.96 426.16
	-15 6.2	TR BHP	196.60 279.91	194.54 317.60	192.23 357.19	189.61 399.20	186.68 444.07
	-10 9.0	TR BHP	221.45 288.43	219.43 328.85	217.05 370.94	214.44 415.20	211.50 462.24
	-5 12.2	TR BHP	248.50 295.74	246.42 338.96	244.08 383.97	241.40 430.90	238.51 480.33
	0 15.7	TR BHP	278.05 301.73	275.74 347.83	273.35 395.85	270.66 445.83	267.71 498.18
	5 19.6	TR BHP	310.14 306.10	307.59 355.16	305.02 406.41	302.30 459.64	299.32 515.24
	10 23.8	TR BHP	344.55 308.02	342.16 361.09	339.24 415.40	336.40 472.01	333.46 531.21
	15 28.4	TR BHP	381.60 307.52	379.36 364.61	376.41 422.82	373.18 482.75	370.11 545.55
	20 33.5	TR BHP	421.59 304.77	419.08 365.34	416.44 428.11	412.91 491.71	409.53 558.21
	25 39.0	TR BHP	465.07 301.02	461.71 363.38	459.04 430.34	455.70 498.77	451.89 568.75
	30 45.0	TR BHP	511.72 296.17	507.88 359.30	504.61 429.58	501.42 502.89	497.54 577.66
	35 51.6	TR BHP	561.86 290.29	557.51 354.76	553.33 426.00	549.98 503.69	546.32 583.70
	40 58.6	TR BHP		610.76 348.58	606.08 421.15	601.76 501.18	597.95 585.99

Condition is outside the operating range for economizer operation.

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.

RWF 222

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 TR 8.7* BHP	108.5 267.5	104.1 299.9	99.4 336.1	94.7 378.0	89.9 428.7
	-35 TR 5.4* BHP	126.6 280.5	121.8 314.0	116.7 350.7	111.5 391.3	106.1 438.3
	-30 TR 1.6* BHP	146.9 294.0	141.5 328.9	136.0 366.5	130.4 407.6	124.5 453.3
	-25 TR 1.3 BHP	169.4 307.6	163.6 344.3	157.6 383.4	151.4 425.5	145.0 471.4
	-20 TR 3.6 BHP	194.4 321.0	188.1 359.9	181.5 400.8	174.8 444.5	167.8 491.4
	-15 TR 6.2 BHP	222.0 333.7	215.2 375.3	208.1 418.6	200.7 464.2	193.1 512.8
	-10 TR 9.1 BHP	252.6 345.3	245.1 390.1	237.3 436.2	229.3 484.2	221.0 534.9
	-5 TR 12.2 BHP	286.2 355.6	278.0 403.8	269.6 453.3	260.8 504.3	251.9 557.3
	0 TR 15.7 BHP	323.4 364.5	314.2 416.2	305.0 469.3	295.5 523.8	285.7 580.0
	5 TR 19.6 BHP	364.3 371.5	353.9 427.0	343.7 483.9	333.4 542.3	322.7 602.2
	10 TR 23.8 BHP	408.7 375.7	397.7 436.1	386.2 496.9	374.8 559.4	363.3 623.4
	15 TR 8.5 BHP	457.2 376.9	445.3 442.4	432.8 508.1	420.1 574.8	407.4 643.1
	20 TR 33.5 BHP	510.2 375.4	497.0 445.6	483.7 516.9	469.6 588.3	455.5 661.2
	25 TR 39 BHP	568.5 372.6	553.1 445.4	538.6 522.2	523.6 599.5	507.9 677.1
	30 TR 45.1 BHP	632.0 368.4	614.8 442.6	598.2 523.9	582.1 607.3	565.1 690.9
	35 TR 51.6 BHP	701.2 362.7	681.8 439.3	662.9 522.1	645.1 611.2	627.2 701.6
40 TR 58.6 BHP	775.4 354.7	754.9 433.7	733.8 518.9	713.2 611.2	693.7 707.9	

20267
1.408
1.174

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).

RWF 222E








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	127.11 286.81	124.58 323.16	121.73 363.39	118.64 409.11	115.37 463.34
	-35 5.4*	TR BHP	146.86 300.38	144.29 338.21	141.44 379.47	138.25 424.96	134.82 476.54
	-30 1.6*	TR BHP	168.68 314.02	166.06 353.75	163.18 396.56	159.99 443.19	156.44 494.41
	-25 1.3	TR BHP	192.62 327.59	190.05 369.41	187.11 414.26	183.88 462.53	180.33 514.99
	-20 3.6	TR BHP	218.91 340.60	216.32 385.01	213.40 432.13	210.10 482.58	206.50 536.74
	-15 6.2	TR BHP	247.65 352.65	245.03 400.10	242.10 449.93	238.80 502.80	235.13 559.40
	-10 9.0	TR BHP	278.96 363.40	276.39 414.26	273.38 467.25	270.08 522.97	266.40 582.30
	-5 12.2	TR BHP	313.04 372.63	310.39 427.02	307.42 483.66	304.03 542.75	300.42 605.11
	0 15.7	TR BHP	350.28 380.19	347.31 438.19	344.28 498.64	340.87 561.55	337.20 627.62
	5 19.6	TR BHP	390.70 385.71	387.40 447.57	384.17 511.93	380.73 578.93	377.02 649.15
	10 23.8	TR BHP	434.04 388.13	430.99 454.94	427.26 523.27	423.68 594.52	420.02 669.25
	15 28.4	TR BHP	480.66 387.50	477.85 459.39	474.10 532.60	469.98 608.07	466.19 687.32
	20 33.5	TR BHP	531.04 383.96	527.89 460.31	524.50 539.28	520.04 619.40	515.83 703.27
	25 39.0	TR BHP	585.78 379.18	581.57 457.77	578.15 542.11	573.92 628.25	569.20 716.50
	30 45.0	TR BHP	644.50 373.04	639.70 452.62	635.55 541.16	631.49 633.40	626.66 727.76
	35 51.6	TR BHP	707.62 365.63	702.16 446.86	696.93 536.66	692.63 634.41	688.08 735.35
	40 58.6	TR BHP		769.23 439.03	763.31 530.50	575.83 631.27	753.09 738.17

Condition is outside the operating range for economizer operation.

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.

RWF 270

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	134.1 330.3	128.6 370.5	122.8 415.3	117.0 467.0	111.0 529.7
	-35 5.4*	TR BHP	156.4 346.5	150.4 387.8	144.2 433.1	137.7 483.5	131.1 541.6
	-30 1.6*	TR BHP	181.4 363.1	174.8 406.2	168.0 452.7	161.0 503.6	153.8 560.0
	-25 1.3	TR BHP	209.2 379.9	202.1 425.2	194.7 473.5	187.0 525.6	179.1 582.5
	-20 3.6	TR BHP	240.1 396.4	232.3 444.5	224.3 495.0	215.9 549.1	207.3 607.1
	-15 6.2	TR BHP	274.3 412.1	265.8 463.5	257.0 516.9	247.9 573.3	238.5 633.4
	-10 9.1	TR BHP	312.0 426.4	302.8 481.8	293.2 538.8	283.3 598.0	273.1 660.6
	-5 12.2	TR BHP	353.5 439.2	343.4 498.7	333.0 559.8	322.2 622.8	311.1 688.3
	0 15.7	TR BHP	399.5 450.2	388.1 514.0	376.7 579.6	365.0 647.0	352.9 716.4
	5 19.6	TR BHP	450.0 458.8	437.2 527.3	424.6 597.7	411.9 669.8	398.7 743.8
	10 23.8	TR BHP	504.9 463.9	491.3 538.5	477.0 613.6	463.0 690.9	448.8 770.0
	15 8.5	TR BHP	564.7 465.5	550.1 546.4	534.7 627.5	518.9 709.8	
	20 33.5	TR BHP	630.2 463.5	613.9 550.2	597.5 638.4	580.1 726.5	
	25 39	TR BHP	702.3 460.1	683.3 550.0	665.4 644.8	646.8 740.3	
	30 45.1	TR BHP	780.7 454.9	759.4 546.5	739.0 647.0	719.0 750.0	
	35 51.6	TR BHP	866.1 447.8	842.3 542.4	818.9 644.8	796.9 754.8	
40 58.6	TR BHP	957.9 438.0	932.5 535.5	906.5 640.7			

 Condition is outside the operating range of compressor.

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).

RWF 270E

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	157.07 354.45	153.94 399.34	150.41 449.03	146.59 505.51	142.54 572.53
	-35 5.4*	TR BHP	181.47 371.23	178.29 417.95	174.77 468.93	170.83 525.13	166.59 588.83
	-30 1.6*	TR BHP	208.44 388.12	205.20 437.18	201.63 490.07	197.69 547.68	193.30 610.96
	-25 1.3	TR BHP	238.03 404.90	234.85 456.56	231.21 511.96	227.21 571.58	222.83 636.41
	-20 3.6	TR BHP	270.52 420.98	267.30 475.85	263.69 534.07	259.61 596.39	255.16 663.34
	-15 6.2	TR BHP	306.04 435.90	302.79 494.51	299.17 556.09	295.08 621.44	290.52 691.26
	-10 9.0	TR BHP	344.71 449.17	341.53 512.03	337.81 577.52	333.74 646.35	329.14 719.48
	-5 12.2	TR BHP	386.82 460.57	383.55 527.78	379.88 597.82	375.69 670.80	371.13 747.55
	0 15.7	TR BHP	432.84 469.85	429.16 541.58	425.42 616.31	421.23 694.09	416.53 775.27
	5 19.6	TR BHP	482.77 476.71	478.70 553.12	474.70 632.75	470.47 715.59	465.69 801.73
	10 23.8	TR BHP	536.32 479.68	532.54 562.25	527.95 646.72	523.54 734.86	518.78 826.52
	15 28.4	TR BHP	593.91 478.88	590.42 567.71	585.80 658.24	580.75 751.56	
	20 33.5	TR BHP	656.13 474.45	652.24 568.85	648.04 666.45	642.59 765.43	
	25 39.0	TR BHP	723.74 468.51	718.55 565.69	714.32 669.87	709.13 776.43	
	30 45.0	TR BHP	796.27 460.88	790.34 559.27	785.15 668.80	780.22 782.78	
	35 51.6	TR BHP	874.19 451.67	867.48 552.12	861.08 662.99	855.73 783.92	
	40 58.6	TR BHP		950.25 542.39	943.01 655.45		

Condition is outside the operating range for economizer operation.

Condition is outside the operating range of compressor.

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.

RWF 316

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 TR 8.7* BHP	154.4 380.6	148.1 426.8	141.5 478.2	134.7 537.8	127.9 610.0
	-35 TR 5.4* BHP	180.2 399.2	173.2 446.8	166.1 499.0	158.6 556.8	151.0 623.7
	-30 TR 1.6* BHP	209.0 418.3	201.4 468.0	193.6 521.6	185.5 580.0	177.1 644.9
	-25 TR 1.3 BHP	241.0 437.7	232.8 489.8	224.2 545.6	215.4 605.5	206.3 670.8
	-20 TR 3.6 BHP	276.6 456.7	267.6 512.0	258.3 570.3	248.7 632.5	238.8 699.1
	-15 TR 6.2 BHP	315.9 474.8	306.2 534.0	296.1 595.6	285.6 660.5	274.7 729.7
	-10 TR 9.1 BHP	359.4 491.3	348.8 555.1	337.7 620.7	326.3 689.0	314.5 761.1
	-5 TR 12.2 BHP	407.2 506.0	395.6 574.5	383.6 645.0	371.1 717.5	358.4 793.0
	0 TR 15.7 BHP	460.1 518.7	447.0 592.2	433.9 667.8	420.4 745.4	406.5 825.3
	5 TR 19.6 BHP	518.3 528.7	503.6 607.6	489.1 688.6	474.4 771.7	459.2 856.9
	10 TR 23.8 BHP	581.6 534.6	565.9 620.5	549.5 707.0	533.3 796.0	516.9 887.1
	15 TR 8.5 BHP	650.5 536.3	633.7 629.5	615.8 723.0	597.7 817.8	579.7 915.1
	20 TR 33.5 BHP	726.0 534.1	707.1 634.0	688.3 735.5	668.1 837.0	648.2 940.8
	25 TR 39 BHP	809.0 530.1	787.0 633.7	766.4 743.0	745.0 853.1	722.7 963.4
	30 TR 45.1 BHP	899.3 524.2	874.7 629.8	851.2 745.5	828.2 864.2	804.1 983.1
	35 TR 51.6 BHP	997.7 516.1	970.2 625.1	943.2 742.9	917.9 869.7	892.4 998.3
	40 TR 58.6 BHP	1103.3 504.8	1074.2 617.1	1044.1 738.4	1014.9 869.7	987.1 1007.3

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).

RWF 316E

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	180.79 407.86	177.16 459.49	173.10 516.65	168.73 581.78	164.10 659.02
	-35 5.4*	TR BHP	208.86 427.12	205.17 480.80	201.12 539.46	196.62 604.25	191.77 677.74
	-30 1.6*	TR BHP	239.89 446.50	236.12 502.83	232.02 563.72	227.53 630.18	222.51 703.15
	-25 1.3	TR BHP	273.94 465.79	270.22 525.05	266.05 588.86	261.51 657.65	256.51 732.46
	-20 3.6	TR BHP	311.33 484.27	307.55 547.18	303.42 614.22	298.80 686.15	293.74 763.74
	-15 6.2	TR BHP	352.23 501.46	348.37 568.58	344.24 639.49	339.63 714.95	334.47 795.62
	-10 9.0	TR BHP	396.80 516.82	392.95 588.73	388.71 664.12	384.14 743.65	378.95 828.17
	-5 12.2	TR BHP	445.34 530.05	441.32 606.86	437.12 687.42	432.44 771.84	427.33 860.57
	0 15.7	TR BHP	498.41 540.97	493.88 622.82	489.52 708.67	484.88 798.61	479.65 892.57
	5 19.6	TR BHP	556.03 549.00	551.00 636.15	546.22 727.55	541.57 823.37	536.30 923.13
	10 23.8	TR BHP	617.83 552.61	613.04 646.94	607.48 743.59	602.67 845.52	597.46 951.75
	15 28.4	TR BHP	684.25 551.61	679.86 653.55	674.03 756.83	668.53 864.77	663.13 977.46
	20 33.5	TR BHP	755.84 546.58	751.21 655.12	745.87 766.52	739.70 880.71	733.77 1000.14
	25 39.0	TR BHP	833.71 539.68	827.73 651.67	822.32 770.75	816.31 893.26	809.67 1019.02
	30 45.0	TR BHP	917.21 530.89	910.43 644.26	904.19 769.72	898.14 900.48	891.46 1035.00
	35 51.6	TR BHP	1006.94 520.26	999.25 635.99	991.69 763.68	985.06 901.80	978.86 1045.84
	40 58.6	TR BHP		1094.59 624.76	1086.30 755.05	1077.89 897.49	1071.39 1049.92

Condition is outside the operating range for economizer operation.

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.

RWF 399

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	194.4 479.2	186.5 537.5	178.2 602.2	169.7 677.3	161.0 768.2
	-35 5.4*	TR BHP	226.9 502.7	218.2 562.6	209.1 628.4	199.8 701.2	190.2 785.4
	-30 1.6*	TR BHP	263.1 526.7	253.6 589.3	243.7 656.8	233.6 730.3	223.0 812.1
	-25 1.3	TR BHP	303.5 551.2	293.1 616.8	282.4 687.0	271.2 762.5	259.8 844.7
	-20 3.6	TR BHP	348.3 575.1	337.0 644.8	325.3 718.2	313.1 796.5	300.7 880.4
	-15 6.2	TR BHP	397.8 597.8	385.5 672.4	372.8 750.0	359.6 831.7	346.0 918.9
	-10 9	TR BHP	452.5 618.6	439.2 699.0	425.2 781.6	410.9 867.6	396.1 958.4
	-5 12.2	TR BHP	512.8 637.1	498.1 723.5	483.0 812.3	467.4 903.6	451.3 998.6
	0 15.7	TR BHP	579.4 653.2	562.9 745.7	546.4 840.9	529.4 938.6	511.8 1039.3
	5 19.6	TR BHP	625.7 665.7	634.2 765.1	615.9 867.1	597.4 971.8	578.3 1079.1
	10 23.8	TR BHP	732.3 673.2	712.6 781.4	691.9 890.3	671.6 1002.3	650.9 1117.1
	15 28.4	TR BHP	819.2 675.4	798.0 792.8	775.5 910.5	752.7 1029.9	730.0 1152.4
	20 33.5	TR BHP	914.2 672.6	890.5 798.4	866.7 926.2	841.4 1054.1	816.2 1184.7
	25 39	TR BHP	1018.7 667.6	991.1 798.0	965.1 935.6	938.2 1074.2	910.0 1213.2
	30 45	TR BHP	1132.4 660.1	1101.5 793.0	1071.8 938.8	1043.0 1088.2	1012.6 1237.9
	35 51.6	TR BHP	1256.3 649.9	1221.7 787.1	1187.7 935.5	1155.9 1095.2	1123.8 1257.2
	40 58.6	TR BHP	1389.4 635.6	1352.6 777.1	1314.8 929.8	1278.0 1095.2	1243.0 1268.4

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).**

RWF 399E

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	227.68 513.64	223.11 578.66	218.00 650.67	212.50 732.74	206.66 830.03
	-35 5.4*	TR BHP	263.03 537.92	258.38 605.52	253.30 679.46	247.62 761.07	241.52 853.59
	-30 1.6*	TR BHP	302.11 562.34	297.37 633.28	292.22 710.01	286.57 793.71	280.52 885.62
	-25 1.3	TR BHP	345.00 586.61	340.31 661.26	335.08 741.71	329.36 828.32	323.06 922.55
	-20 3.6	TR BHP	392.09 609.91	387.32 689.16	382.15 773.67	376.33 864.28	369.96 961.62
	-15 6.2	TR BHP	443.61 631.58	438.73 716.07	433.57 805.50	427.76 900.56	421.26 1002.17
	-10 9.0	TR BHP	499.73 650.93	494.88 741.47	489.58 836.56	483.82 936.74	477.28 1043.17
	-5 12.2	TR BHP	560.89 667.61	555.79 764.32	550.55 865.90	544.66 972.24	538.22 1083.99
	0 15.7	TR BHP	627.72 681.40	621.96 784.43	616.56 892.69	610.71 1006.00	604.11 1124.31
	5 19.6	TR BHP	700.30 691.55	693.90 801.26	687.97 916.44	682.12 1037.18	675.46 1162.88
	10 23.8	TR BHP	778.15 696.11	772.06 814.82	765.13 936.66	759.07 1065.10	752.50 1198.92
	15 28.4	TR BHP	861.77 695.03	856.20 823.12	848.88 953.31	842.02 1089.29	835.22 1231.28
	20 33.5	TR BHP	951.97 688.50	946.07 825.14	939.30 965.36	931.65 1109.35	924.16 1259.87
	25 39.0	TR BHP	1050.06 679.70	1042.45 820.83	1035.59 970.73	1028.11 1125.17	1019.78 1283.57
	30 45.0	TR BHP	1155.14 668.63	1146.61 811.50	1138.67 969.54	1131.17 1134.25	1122.75 1303.77
	35 51.6	TR BHP	1268.18 655.19	1258.44 801.02	1248.87 961.81	1240.63 1135.85	1232.80 1317.38
	40 58.6	TR BHP		1378.54 786.80	1368.04 950.96	1357.41 1130.29	1349.31 1322.50

Condition is outside the operating range for economizer operation.

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.

RWF 480

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	233.9 576.5	224.4 646.6	214.4 724.5	204.2 814.8	193.7 924.2
	-35 5.4*	TR BHP	273.0 604.8	262.5 676.8	251.5 756.0	240.4 843.5	228.8 944.8
	-30 1.6*	TR BHP	316.5 633.6	305.1 708.9	293.2 790.1	281.0 878.6	268.3 977.0
	-25 1.3	TR BHP	365.1 663.1	352.6 742.0	339.7 826.5	326.3 917.3	312.5 1016.2
	-20 3.6	TR BHP	419.0 691.8	405.4 775.7	391.3 864.0	376.7 958.2	361.7 1059.1
	-15 6.2	TR BHP	478.6 719.2	463.8 808.9	448.5 902.3	432.6 1000.5	416.2 1105.4
	-10 9	TR BHP	544.4 744.2	528.4 840.9	511.5 940.3	494.3 1043.7	476.5 1153.0
	-5 12.2	TR BHP	616.9 766.4	599.2 870.4	581.1 977.2	562.3 1087.0	542.9 1201.3
	0 15.7	TR BHP	697.0 785.8	677.2 897.1	657.3 1011.6	636.9 1129.1	615.7 1250.3
	5 19.6	TR BHP	752.7 800.8	762.9 920.4	740.9 1043.1	718.7 1169.1	695.7 1298.2
	10 23.8	TR BHP	881.0 809.9	857.3 940.0	832.4 1071.0	807.9 1205.8	783.0 1343.9
	15 28.4	TR BHP	985.5 812.5	960.0 953.7	932.9 1095.3	905.5 1239.0	878.2 1386.3
	20 33.5	TR BHP	1099.8 809.1	1071.3 960.5	1042.6 1114.2	1012.2 1268.1	981.9 1425.2
	25 39	TR BHP	1225.5 803.1	1192.3 960.0	1161.0 1125.5	1128.7 1292.3	
	30 45	TR BHP	1362.3 794.1	1325.1 954.0	1289.4 1129.4	1254.7 1309.1	
	35 51.6	TR BHP	1511.3 781.8	1469.7 946.9	1428.8 1125.4	1390.6 1317.5	
	40 58.6	TR BHP	1671.5 764.6	1627.2 934.9	1581.7 1118.6	1537.4 1317.5	

Condition is outside the operating range of compressor.

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).

RWF 480E

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 TR 8.7* BHP	273.93 617.99	268.45 696.28	262.34 783.06	255.72 881.78	248.69 998.87
	-35 TR 5.4* BHP	316.46 647.20	310.90 728.64	304.82 817.72	297.99 915.93	290.64 1027.30
	-30 TR 1.6* BHP	363.48 676.57	357.83 762.12	351.66 854.53	344.86 955.27	337.26 1065.85
	-25 TR 1.3 BHP	415.09 705.80	409.52 795.82	403.26 892.70	396.37 996.98	388.79 1110.36
	-20 TR 3.6 BHP	471.75 733.84	466.11 829.40	459.92 931.20	452.90 1040.26	445.23 1157.38
	-15 TR 6.2 BHP	533.73 759.93	527.99 861.86	521.80 969.57	514.80 1083.96	506.97 1206.28
	-10 TR 9.0 BHP	601.27 783.20	595.53 892.35	589.21 1006.95	582.28 1127.53	574.40 1255.65
	-5 TR 12.2 BHP	674.87 803.27	668.79 919.76	662.60 1042.33	655.51 1170.28	647.75 1304.82
	0 TR 15.7 BHP	755.32 819.84	748.32 943.79	742.05 1074.60	734.99 1210.92	727.06 1353.40
	5 TR 19.6 BHP	842.68 832.19	834.91 963.98	827.99 1103.16	820.93 1248.52	812.92 1399.83
	10 TR 23.8 BHP	936.37 837.77	928.92 980.40	920.85 1127.47	913.54 1282.14	905.64 1443.19
	15 TR 28.4 BHP	1037.07 836.57	1030.22 990.45	1021.71 1147.54	1013.37 1311.24	1005.19 1482.21
	20 TR 33.5 BHP	1145.61 828.66	1138.37 992.95	1130.30 1161.76	1121.24 1335.38	1112.22 1516.61
	25 TR 39.0 BHP	1263.55 818.09	1254.42 987.74	1245.99 1167.93	1237.28 1354.41	
	30 TR 45.0 BHP	1390.04 804.64	1379.77 976.66	1370.08 1166.47	1361.28 1365.30	
	35 TR 51.6 BHP	1525.99 788.38	1514.32 963.98	1502.77 1157.19	1492.97 1367.18	
40 TR 58.6 BHP		1658.69 946.83	1646.11 1144.39	1633.46 1360.21		

Condition is outside the operating range for economizer operation.
Condition is outside the operating range of compressor.

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.