



920 and 920R Series: Tons

	Model	922 922R	923 923R	924 924R	925 925R	926 926R	927 927R	928 928R	930 930R
Connection Size		5/8"	7/8"	1-1/8"	1-3/8"	1-5/8"	2-1/8"	2-5/8"	3-1/8"
Refrigerant	Temp °F	Tons @ 100°F Condensing 10°F Superheat 0°F Subcooling							
R-1234yf	+40	5.4	7.5	13.5	20.5	35.1	47.9	80.0	136.0
	+30	4.4	6.1	10.9	16.6	28.4	38.7	64.7	110.1
	+20	3.5	4.9	8.8	13.3	22.8	31.1	52.0	88.3
	+10	2.8	3.9	7.0	10.6	18.1	24.7	41.3	70.3
	0	2.2	3.1	5.5	8.4	14.3	19.5	32.6	55.3
	-10	1.8	2.5	4.5	6.8	11.7	15.9	26.6	45.1
	-20	1.3	1.8	3.3	5.0	8.6	11.7	19.5	33.2
	-30	1.0	1.4	2.5	3.8	6.5	8.9	14.9	25.2
	-40	0.8	1.0	1.9	2.9	4.9	6.7	11.1	18.9
R-1234ze	+40	4.3	5.9	10.7	16.2	27.7	37.8	63.1	107.3
	+30	3.4	4.7	8.5	13.0	22.2	30.3	50.6	86.1
	+20	2.7	3.8	6.8	10.3	17.7	24.1	40.3	68.4
	+10	2.1	3.0	5.3	8.1	13.9	19.0	31.7	53.8
	0	1.7	2.3	4.2	6.3	10.8	14.7	24.6	41.9
	-10	1.3	1.8	3.2	4.9	8.3	11.3	18.9	32.2
	-20	1.0	1.3	2.4	3.7	6.3	8.6	14.4	24.5
	-30	0.7	1.0	1.8	2.8	4.7	6.4	10.8	18.3
	-40	0.5	0.7	1.3	2.0	3.5	4.7	7.9	13.5
R-134a	+45	6.31	8.78	15.80	24.02	41.12	56.05	93.82	159.21
	+40	5.7	7.9	14.2	21.6	37.0	50.5	84.4	143.4
	+30	4.6	6.4	11.5	17.5	30.0	40.8	68.2	116.0
	+20	3.7	5.1	9.2	14.0	24.0	32.7	54.6	92.8
	+10	2.9	4.1	7.3	11.1	19.0	25.9	43.3	73.6
	0	2.3	3.2	5.7	8.7	14.9	20.4	34.0	57.9
	-10	1.8	2.5	4.4	6.8	11.6	15.8	26.3	44.8
	-20	1.4	1.9	3.4	5.2	8.9	12.2	20.3	34.6
	-30	1.0	1.4	2.6	3.9	6.7	9.2	15.3	26.0
-40	0.8	1.1	1.9	2.9	5.0	6.8	11.4	19.4	
R-22	+40	8.8	12.3	22.1	33.6	57.6	78.5	131.1	222.8
	+30	7.3	10.2	18.4	27.9	47.8	65.2	108.9	185.1
	+20	6.0	8.4	15.1	23.0	39.4	53.7	89.7	152.6
	+10	4.9	6.9	12.4	18.8	32.2	43.9	73.3	124.7
	0	4.0	5.6	10.0	15.3	26.1	35.6	59.5	101.1
	-10	3.2	4.5	8.1	12.2	21.0	28.6	47.8	81.2
	-20	2.6	3.6	6.4	9.7	16.7	22.7	38.0	64.6
	-30	2.0	2.8	5.0	7.7	13.1	17.9	29.8	50.7
	-40	1.6	2.2	3.9	6.0	10.2	13.9	23.2	39.5
R-290	See "920 and 920R Series: Natural Refrigerants" Chart								
R-401A MP-39	+50	7.0	9.7	17.4	26.5	45.4	61.9	103.4	175.8
	+40	5.7	8.0	14.3	21.8	37.3	50.9	85.0	144.5
	+30	4.7	6.5	11.7	17.8	30.4	41.5	69.3	117.8
	+20	3.8	5.3	9.5	14.4	24.6	33.5	56.0	95.3
	+10	3.0	4.2	7.6	11.5	19.7	26.9	44.9	76.3
	0	2.4	3.3	6.0	9.1	15.6	21.3	35.6	60.5
	-10	1.9	2.6	4.7	7.2	12.2	16.7	27.9	47.4
	-20	1.5	2.0	3.6	5.5	9.5	12.9	21.6	36.7
	-30	1.1	1.5	2.8	4.2	7.3	9.9	16.5	28.1
-40	0.8	1.2	2.1	3.2	5.5	7.4	12.4	21.1	

	Model	922 922R	923 923R	924 924R	925 925R	926 926R	927 927R	928 928R	930 930R
Connection Size		5/8"	7/8"	1-1/8"	1-3/8"	1-5/8"	2-1/8"	2-5/8"	3-1/8"
Refrigerant	Temp °F	Tons @ 100°F Condensing 10°F Superheat 0°F Subcooling							
R-402A HP-80	+40	9.7	13.5	24.3	37.0	63.3	86.2	144.1	245.0
	+30	8.0	11.1	20.0	30.4	52.1	71.0	118.7	201.7
	+20	6.5	9.1	16.4	24.9	42.6	58.0	97.0	164.9
	+10	5.3	7.4	13.3	20.2	34.5	47.1	78.7	133.7
	0	4.3	5.9	10.7	16.2	27.8	37.8	63.2	107.5
	-10	3.4	4.7	8.5	12.9	22.1	30.1	50.3	85.6
	-20	2.7	3.7	6.7	10.2	17.4	23.7	39.7	67.4
	-30	2.1	2.9	5.2	7.9	13.6	18.5	30.9	52.5
-40	1.6	2.2	4.0	6.1	10.4	14.2	23.8	40.4	
R-404A	+40	9.0	12.5	22.6	34.3	58.7	80.0	133.7	227.3
	+30	7.5	10.4	18.8	28.6	48.9	66.6	111.3	189.3
	+20	6.0	8.3	15.0	22.8	39.1	53.2	89.0	151.2
	+10	4.8	6.7	12.1	18.4	31.5	42.9	71.7	121.9
	0	3.9	5.4	9.7	14.7	25.2	34.3	57.3	97.4
	-10	3.1	4.2	7.6	11.6	19.9	27.1	45.3	77.0
	-20	2.4	3.3	6.0	9.1	15.6	21.2	35.5	60.3
	-30	1.8	2.6	4.6	7.0	12.0	16.4	27.4	46.6
-40	1.4	2.0	3.5	5.4	9.2	12.5	21.0	35.6	
R-407A	+40	8.5	11.8	21.2	32.2	55.1	75.1	125.5	213.4
	+30	6.9	9.6	17.3	26.2	44.9	61.2	102.3	173.8
	+20	5.6	7.7	13.9	21.2	36.3	49.5	82.6	140.5
	+10	4.5	6.2	11.2	17.0	29.1	39.6	66.2	112.5
	0	3.5	4.9	8.9	13.5	23.0	31.4	52.5	89.2
	-10	2.4	3.3	6.0	9.1	15.5	21.1	35.3	60.0
	-20	2.2	3.0	5.4	8.2	14.0	19.1	31.9	54.3
	-30	1.6	2.3	4.1	6.3	10.7	14.6	24.4	41.5
-40	1.2	1.7	3.1	4.7	8.1	11.0	18.4	31.4	
R-407C	+40	8.1	11.2	20.2	30.8	52.6	71.8	119.9	203.8
	+30	6.6	9.2	16.5	25.1	42.9	58.5	97.7	166.1
	+20	5.3	7.4	13.3	20.2	34.7	47.2	78.9	134.2
	+10	4.3	5.9	10.7	16.2	27.7	37.8	63.2	107.4
	0	3.4	4.7	8.4	12.8	22.0	29.9	50.0	85.0
	-10	2.6	3.7	6.6	10.1	17.2	23.5	39.2	66.7
	-20	2.1	2.9	5.1	7.8	13.4	18.2	30.5	51.8
	-30	1.6	2.2	3.9	6.0	10.2	13.9	23.2	39.5
-40	1.2	1.7	3.0	4.6	7.9	10.7	18.0	30.5	
R-407F	+40	9.0	12.5	22.4	34.1	58.4	79.6	133.0	226.1
	+30	7.3	10.2	18.3	27.9	47.7	65.1	108.7	184.9
	+20	5.9	8.3	14.9	22.6	38.7	52.8	88.2	150.0
	+10	4.8	6.6	12.0	18.2	31.1	42.4	70.9	120.5
	0	3.8	5.3	9.5	14.5	24.8	33.8	56.4	95.9
	-10	3.0	4.2	7.5	11.4	19.5	26.6	44.4	75.5
	-20	2.3	3.2	5.8	8.9	15.2	20.7	34.6	58.8
	-30	1.8	2.5	4.5	6.8	11.7	15.9	26.6	45.2
-40	1.4	1.9	3.4	5.2	8.9	12.1	20.2	34.3	

	Model	922 922R	923 923R	924 924R	925 925R	926 926R	927 927R	928 928R	930 930R
Connection Size		5/8"	7/8"	1-1/8"	1-3/8"	1-5/8"	2-1/8"	2-5/8"	3-1/8"
Refrigerant	Temp °F	Tons @ 100°F Condensing 10°F Superheat 0°F Subcooling							
R-408A	+40	9.1	12.7	22.8	34.7	59.4	80.9	135.2	229.9
	+30	7.5	10.5	18.9	28.7	49.1	66.9	111.8	190.1
	+20	6.2	8.6	15.5	23.6	40.3	55.0	91.9	156.2
	+10	5.0	7.0	12.6	19.2	32.9	44.8	74.9	127.3
	0	4.1	5.7	10.2	15.5	26.6	36.2	60.5	102.8
	-10	3.3	4.5	8.2	12.4	21.3	29.0	48.4	82.3
	-20	2.6	3.6	6.5	9.8	16.9	23.0	38.4	65.2
	-30	2.0	2.8	5.1	7.7	13.2	18.0	30.1	51.1
	-40	1.6	2.2	3.9	6.0	10.2	13.9	23.3	39.6
R-410A AZ-20	+45	14.1	19.6	35.3	53.7	91.9	125.3	209.3	355.9
	+40	12.8	17.9	32.1	48.9	83.6	114.0	190.5	323.8
	+30	10.6	14.8	26.6	40.5	69.3	94.5	157.9	268.4
	+20	8.8	12.2	22.0	33.4	57.1	77.9	130.1	221.2
	+10	7.2	10.0	17.9	27.3	46.7	63.7	106.4	180.8
	0	5.8	8.1	14.5	22.1	37.8	51.6	86.2	146.5
	-10	4.7	6.5	11.7	17.8	30.4	41.5	69.3	117.8
	-20	3.7	5.2	9.3	14.1	24.2	33.0	55.1	93.7
	-30	2.9	4.1	7.3	11.1	19.0	26.0	43.4	73.7
	-40	2.3	3.2	5.7	8.7	14.8	20.2	33.8	57.4
R-417A	+40	7.0	9.7	17.5	26.7	45.6	62.2	103.9	176.7
	+30	5.6	7.7	13.9	21.2	36.2	49.4	82.5	140.2
	+20	4.5	6.2	11.1	17.0	29.0	39.5	66.1	112.3
	+10	3.5	4.9	8.8	13.5	23.0	31.4	52.4	89.2
	0	2.8	3.9	6.9	10.6	18.1	24.7	41.2	70.0
	-10	2.2	3.0	5.4	8.2	14.0	19.1	32.0	54.4
	-20	1.7	2.3	4.1	6.3	10.8	14.7	24.5	41.7
	-30	1.3	1.7	3.1	4.8	8.2	11.1	18.6	31.6
	-40	0.9	1.3	2.3	3.5	6.1	8.3	13.8	23.5
R-421A	+40	7.2	10.0	18.0	27.3	46.8	63.7	106.5	106.5
	+30	5.8	8.1	14.5	22.1	37.8	51.5	86.0	86.0
	+20	4.6	6.5	11.6	17.7	30.2	41.2	68.9	68.9
	+10	3.7	5.1	9.2	14.0	24.0	32.7	54.6	54.6
	0	2.9	4.0	7.2	11.0	18.8	25.7	42.9	42.9
	-10	2.2	3.1	5.6	8.5	14.6	19.9	33.3	33.3
	-20	1.7	2.4	4.3	6.5	11.2	15.3	25.5	25.5
	-30	1.3	1.8	3.3	5.0	8.5	11.6	19.3	19.3
	-40	1.0	1.3	2.4	3.7	6.3	8.6	14.4	14.4
R-422A	+40	8.6	12.0	21.6	32.8	56.2	76.6	127.9	217.5
	+30	7.0	9.7	17.5	26.6	45.6	62.2	103.8	176.5
	+20	5.6	7.8	14.1	21.5	36.7	50.1	83.6	142.2
	+10	4.5	6.3	11.3	17.1	29.3	40.0	66.8	113.5
	0	3.6	4.9	8.9	13.5	23.2	31.6	52.8	89.7
	-10	2.8	3.9	7.0	10.6	18.1	24.7	41.3	70.1
	-20	2.1	3.0	5.4	8.2	14.0	19.1	31.9	54.2
	-30	1.6	2.3	4.1	6.2	10.7	14.6	24.3	41.3
	-40	1.2	1.7	3.1	4.7	8.0	10.9	18.3	31.1

	Model	922 922R	923 923R	924 924R	925 925R	926 926R	927 927R	928 928R	930 930R
Connection Size		5/8"	7/8"	1-1/8"	1-3/8"	1-5/8"	2-1/8"	2-5/8"	3-1/8"
Refrigerant	Temp °F	Tons @ 100°F Condensing 10°F Superheat 0°F Subcooling							
R-422B	+40	7.1	9.9	17.8	27.1	46.3	63.2	97.6	179.5
	+30	5.8	8.1	14.6	22.2	37.9	51.7	80.0	146.8
	+20	4.7	6.5	11.7	17.8	30.4	41.4	64.0	117.7
	+10	3.7	5.1	9.3	14.1	24.1	32.9	50.6	93.4
	0	3.0	4.1	7.4	11.2	19.3	26.2	40.5	74.5
	-10	2.2	3.1	5.5	8.4	14.3	19.5	29.9	55.5
	-20	1.7	2.3	4.2	6.4	11.0	15.0	22.9	42.6
	-30	1.3	1.8	3.3	5.0	8.5	11.6	17.7	33.0
	-40	1.0	1.4	2.4	3.7	6.4	8.7	13.1	24.6
R-422C	+40	8.4	11.7	21.1	32.1	54.9	74.9	125.1	212.7
	+30	6.8	9.5	17.1	26.0	44.6	60.7	101.5	172.5
	+20	5.5	7.7	13.8	20.9	35.9	48.9	81.7	138.8
	+10	4.4	6.1	11.0	16.7	28.6	39.0	65.1	110.7
	0	3.5	4.8	8.7	13.2	22.6	30.8	51.4	87.4
	-10	2.7	3.8	6.8	10.3	17.6	24.0	40.1	68.2
	-20	2.1	2.9	5.2	7.9	13.6	18.5	31.0	52.6
	-30	1.6	2.2	4.0	6.0	10.3	14.1	23.6	40.1
	-40	1.2	1.7	3.0	4.5	7.8	10.6	17.7	30.0
R-422D	+40	7.6	10.6	19.1	29.0	49.7	67.7	113.2	192.4
	+30	6.2	8.6	15.4	23.5	40.2	54.8	91.6	155.7
	+20	5.0	6.9	12.4	18.8	32.2	44.0	73.5	124.9
	+10	3.9	5.5	9.8	15.0	25.6	34.9	58.4	99.2
	0	3.1	4.3	7.7	11.8	20.2	27.5	45.9	78.1
	-10	2.4	3.3	6.0	9.2	15.7	21.4	35.7	60.7
	-20	1.8	2.6	4.6	7.0	12.0	16.4	27.4	46.6
	-30	1.4	1.9	3.5	5.3	9.1	12.4	20.8	35.3
	-40	1.0	1.5	2.6	4.0	6.8	9.3	15.5	26.4
R-427A	+40	7.8	10.8	19.4	29.5	50.6	68.9	115.2	195.8
	+30	6.3	8.8	15.8	24.0	41.1	56.1	93.7	159.3
	+20	5.1	7.1	12.8	19.4	33.2	45.2	75.6	128.5
	+10	4.1	5.7	10.2	15.5	26.5	36.2	60.4	102.7
	0	3.2	4.5	8.1	12.3	21.0	28.6	47.8	81.3
	-10	2.5	3.5	6.3	9.6	16.4	22.4	37.5	63.7
	-20	2.0	2.7	4.9	7.4	12.7	17.3	29.0	49.3
	-30	1.5	2.1	3.7	5.7	9.7	13.2	22.1	37.6
	-40	1.1	1.6	2.8	4.3	7.3	10.0	16.7	28.3
R-438A	+40	7.5	10.5	18.8	28.6	49.0	66.8	111.5	189.6
	+30	6.1	8.5	15.3	23.2	39.7	54.1	90.5	153.8
	+20	4.9	6.8	12.3	18.7	32.0	43.6	72.8	123.7
	+10	3.8	5.2	9.4	14.3	24.5	33.4	55.8	94.8
	0	3.1	4.3	7.7	11.7	20.1	27.4	45.8	77.8
	-10	2.4	3.3	6.0	9.2	15.7	21.4	35.7	60.7
	-20	1.9	2.6	4.6	7.1	12.1	16.5	27.5	46.8
	-30	1.4	1.9	3.4	5.2	8.8	12.0	20.1	34.2
	-40	1.1	1.5	2.6	4.0	6.9	9.4	15.7	26.7

	Model	922 922R	923 923R	924 924R	925 925R	926 926R	927 927R	928 928R	930 930R
Connection Size		5/8"	7/8"	1-1/8"	1-3/8"	1-5/8"	2-1/8"	2-5/8"	3-1/8"
Refrigerant	Temp °F	Tons @ 100°F Condensing 10°F Superheat 0°F Subcooling							
R-507 AZ-50	+40	9.2	12.8	23.1	35.2	60.2	82.0	137.1	233.0
	+30	7.6	10.5	18.9	28.8	49.3	67.2	112.3	190.9
	+20	6.2	8.6	15.4	23.4	40.1	54.6	91.3	155.2
	+10	5.0	6.9	12.4	18.9	32.4	44.1	73.7	125.4
	0	4.0	5.5	9.9	15.1	25.9	35.3	59.0	100.2
	-10	3.1	4.4	7.9	12.0	20.5	28.0	46.7	79.4
	-20	2.5	3.4	6.2	9.4	16.1	21.9	36.6	62.3
	-30	1.9	2.7	4.8	7.3	12.5	17.0	28.4	48.3
	-40	1.5	2.0	3.7	5.6	9.5	13.0	21.7	36.9
R-600a	See "920 and 920R Series: Natural Refrigerants" Chart								
R-717	See "920 and 920R Series: Natural Refrigerants" Chart								
R-744	See "920 and 920R Series: Natural Refrigerants" Chart								

SELECT OIL SEPARATOR WITH CONNECTION SIZE NO LESS THAN DISCHARGE LINE SIZE.

920 and 920R Series (Tons) Notes:

1. Tons = Capacity in evaporator (12,000 BTUH/Hr/Ton), based on +100°F Condensing Temperature, 10°F Superheat, 0°F Subcooling
2. For applications other than reciprocating compressors, (scroll, screw type, 2-stage) please contact Temprite engineering at temprite@temprite.com.