

# Suction Gas Capacities

# Solenoid Capacity Tables

<b>Tons</b>					
<b>SUCTION GAS CAPACITIES @ 2 PSI PRESSURE DROP</b>					
VALVE SERIES	Evaporator Temperature - F				
	40	20	0	-20	-40
	<b>R-12</b>				
200RB/500RB/200RD 2	0.32	0.30	0.23	0.17	0.10
200RB/500RB/200RD 3	0.44	0.41	0.31	0.23	0.14
200RB/500RB/200RD 4	0.81	0.77	0.59	0.44	0.26
200RB/500RB/200RD 5	0.97	0.93	0.71	0.53	0.32
200RB/500RB/200RD 6	1.05	0.99	0.76	0.56	0.34
200RB/500RB/200RD 7	1.90	1.70	1.30	1.00	0.60
200RB/RD 9	2.05	2.45	1.90	1.40	0.85
240/540RA8	1.00	0.80	0.60	0.50	0.40
240/540RA9T5	1.30	1.10	0.90	0.70	0.50
240/540RA9	1.60	1.30	1.00	0.80	0.60
240/540RA12	2.00	1.60	1.20	1.00	0.70
240/540RA16	3.90	3.20	2.50	1.90	1.50
240/540RA20	5.50	4.50	3.50	2.70	2.10
<b>R-22/R407C</b>					
200RB/500RB/200RD 2	0.34	0.28	0.22	0.18	0.13
200RB/500RB/200RD 3	0.47	0.38	0.31	0.24	0.18
200RB/500RB/200RD 4	0.89	0.73	0.58	0.46	0.34
200RB/500RB/200RD 5	1.08	0.88	0.71	0.55	0.39
200RB/500RB/200RD 6	1.14	0.93	0.75	0.59	0.43
200RB/500RB/200RD 7	1.90	1.00	1.30	1.00	0.76
200RB/RD 9	2.85	2.35	1.91	1.50	1.15
240/540RA8	1.50	1.20	1.00	0.80	0.60
240/540RA9T5	2.00	1.60	1.30	1.00	0.80
240/540RA9	2.40	2.00	1.60	1.20	1.00
240/540RA12	2.90	2.40	1.90	1.50	1.20
240/540RA16	5.80	4.70	3.80	3.00	2.30
240/540RA20	8.20	6.70	5.40	4.20	3.30
<b>R-502</b>					
200RB/500RB/200RD 2	0.28	0.22	0.17	0.13	0.10
200RB/500RB/200RD 3	0.38	0.30	0.24	0.19	0.13
200RB/500RB/200RD 4	0.71	0.57	0.45	0.35	0.26
200RB/500RB/200RD 5	0.86	0.69	0.55	0.42	0.30
200RB/500RB/200RD 6	0.92	0.74	0.58	0.45	0.33
200RB/500RB/200RD 7	1.60	1.30	1.00	0.80	0.60
200RB/RD 9	2.34	1.80	1.50	1.15	0.87
240/540RA8	1.20	1.00	0.80	0.60	0.40
240/540RA9T5	1.60	1.30	1.00	0.80	0.60
240/540RA9	1.90	1.50	1.20	0.90	0.07
240/540RA12	2.30	1.90	14.50	1.10	0.80
240/540RA16	4.60	3.70	2.90	2.30	1.70
240/540RA20	6.50	5.20	4.10	3.20	2.40

<b>Kilowatts</b>					
<b>SUCTION GAS CAPACITIES @ 14.0 kPa PRESSURE DROP</b>					
VALVE SERIES	Evaporator Temperature - C				
	4	-7	-18	-29	-40
	<b>R-12</b>				
200RB/500RB/200RD 2	1.13	1.06	0.81	0.60	0.35
200RB/500RB/200RD 3	1.55	1.44	1.09	0.81	0.49
200RB/500RB/200RD 4	2.85	2.71	2.07	1.55	0.91
200RB/500RB/200RD 5	3.41	3.27	2.50	1.86	1.13
200RB/500RB/200RD 6	3.69	3.48	2.67	1.97	1.20
200RB/500RB/200RD 7	6.80	6.00	4.60	3.50	2.10
200RB/RD 9	7.21	8.62	6.68	4.92	2.99
240/540RA8	3.52	2.81	2.11	1.76	1.41
240/540RA9T5	4.57	3.87	3.17	2.46	1.76
240/540RA9	5.63	4.57	3.52	2.81	2.11
240/540RA12	7.03	5.63	4.22	3.52	2.46
240/540RA16	13.72	11.25	8.79	6.68	5.28
240/540RA20	19.34	15.83	12.31	9.50	7.39
<b>R-22/R407C</b>					
200RB/500RB/200RD 2	1.20	0.98	0.77	0.63	0.46
200RB/500RB/200RD 3	1.65	1.34	1.09	0.84	0.63
200RB/500RB/200RD 4	3.13	2.57	2.04	1.62	1.20
200RB/500RB/200RD 5	3.80	3.09	2.50	1.93	1.37
200RB/500RB/200RD 6	4.01	3.27	2.64	2.07	1.51
200RB/500RB/200RD 7	6.80	5.60	4.60	3.50	2.70
200RB/RD 9	10.02	8.26	6.72	5.28	4.04
240/540RA8	5.28	4.22	3.52	2.81	2.11
240/540RA9T5	7.03	5.63	4.57	3.52	2.81
240/540RA9	8.44	7.03	5.63	4.22	3.52
240/540RA12	10.20	8.44	6.68	5.28	4.22
240/540RA16	20.40	16.53	13.36	10.55	8.09
240/540RA20	28.84	23.56	18.99	14.77	11.61
<b>R-502</b>					
200RB/500RB/200RD 2	0.98	0.77	0.60	0.46	0.35
200RB/500RB/200RD 3	1.34	1.06	0.84	0.67	0.46
200RB/500RB/200RD 4	2.50	2.00	1.58	1.23	0.91
200RB/500RB/200RD 5	3.02	2.43	1.93	1.48	1.06
200RB/500RB/200RD 6	3.24	2.60	2.04	1.58	1.16
200RB/500RB/200RD 7	5.60	4.60	3.50	2.80	2.10
200RB/RD 9	8.23	6.33	5.28	4.04	3.06
240/540RA8	4.22	3.52	2.81	2.11	1.41
240/540RA9T5	5.63	4.57	3.52	2.81	2.11
240/540RA9	6.68	5.28	4.22	3.17	0.25
240/540RA12	8.09	6.68	51.00	3.87	2.81
240/540RA16	16.18	13.01	10.20	8.09	5.98
240/540RA20	22.86	18.29	14.42	11.25	8.44

NOTE: Capacity is based on largest connection size.

# Suction Gas Capacities

# Solenoid Capacity Tables

<b>Tons</b>					
<b>SUCTION GAS CAPACITIES @ 2 PSI PRESSURE DROP</b>					
VALVE SERIES	Evaporator Temperature - F				
	40	20	0	-20	-40
<b>R-134a</b>					
200RB/500RB/200RD 2	0.26	0.21	0.16	0.11	0.08
200RB/500RB/200RD 3	0.36	0.29	0.21	0.15	0.10
200RB/500RB/200RD 4	0.69	0.54	0.42	0.28	0.16
200RB/500RB/200RD 5	0.83	0.65	0.47	0.34	0.23
200RB/500RB/200RD 6	0.88	0.69	0.52	0.37	0.26
200RB/500RB/200RD 7	1.50	1.20	0.90	0.70	0.50
200RB/RD 9	2.20	1.70	1.35	0.95	0.65
240/540RA8	0.80	0.60	0.50	0.40	0.30
240/540RA9T5	1.40	1.10	0.80	0.60	0.40
240/540RA9	1.70	1.40	1.10	0.80	0.50
240/540RA12	1.90	1.50	1.20	0.90	0.60
240/540RA16	3.20	2.50	1.90	1.40	1.00
240/540RA20	4.40	3.50	2.70	2.00	1.60
<b>R-450A/R-513A</b>					
200RB/500RB/200RD 2	0.24	0.19	0.15	0.11	0.08
200RB/500RB/200RD 3	0.33	0.27	0.20	0.15	0.11
200RB/500RB/200RD 4	0.62	0.50	0.39	0.29	0.21
200RB/500RB/200RD 5	0.76	0.61	0.47	0.35	0.26
200RB/500RB/200RD 6	0.80	0.64	0.50	0.37	0.27
200RB/500RB/200RD 7	1.33	1.07	0.83	0.62	0.45
200RB/200RD 9	1.99	1.61	1.24	0.93	0.67
240/540RA8	1.05	0.85	0.65	0.49	0.35
240/540RA9T5	1.40	1.13	0.87	0.65	0.47
240/540RA9	1.68	1.35	1.04	0.78	0.57
240/540RA12	2.03	1.64	1.26	0.94	0.69
240/540RA16	4.06	3.27	2.52	1.89	1.37
240/540RA20	5.74	4.63	3.56	2.67	1.94
<b>R-404A/R-507</b>					
200RB/500RB/200RD 2	0.29	0.23	0.18	0.14	0.10
200RB/500RB/200RD 3	0.39	0.31	0.24	0.19	0.13
200RB/500RB/200RD 4	0.74	0.54	0.46	0.35	0.26
200RB/500RB/200RD 5	0.90	0.71	0.56	0.42	0.30
200RB/500RB/200RD 6	0.95	0.76	0.59	0.45	0.32
200RB/500RB/200RD 7	1.70	1.30	1.00	0.80	0.60
200RB/RD 9	2.40	1.90	1.50	1.10	0.85
240/540RA8	0.90	0.70	0.50	0.40	0.30
240/540RA9T5	1.50	1.20	0.90	0.70	0.50
240/540RA9	1.90	1.50	1.20	0.90	0.60
240/540RA12	2.20	1.80	1.40	1.00	0.80
240/540RA16	3.40	2.70	2.10	1.60	1.20
240/540RA20	4.80	3.80	2.90	2.20	1.60

NOTE: Capacity is based on largest connection size.

<b>Kilowatts</b>					
<b>SUCTION GAS CAPACITIES @ 14.0 kPa PRESSURE DROP</b>					
VALVE SERIES	Evaporator Temperature - C				
	4	-7	-18	-29	-40
<b>R-134a</b>					
200RB/500RB/200RD 2	0.91	0.74	0.56	0.39	0.28
200RB/500RB/200RD 3	1.27	1.02	0.74	0.53	0.35
200RB/500RB/200RD 4	2.43	1.90	1.48	0.98	0.56
200RB/500RB/200RD 5	2.92	2.29	1.65	1.20	0.81
200RB/500RB/200RD 6	3.09	2.43	1.83	1.30	0.91
200RB/500RB/200RD 7	5.30	4.20	3.10	2.50	1.80
200RB/RD 9	7.74	5.98	4.75	3.34	2.29
240/540RA8	2.81	2.11	1.76	1.41	1.06
240/540RA9T5	4.92	3.87	2.81	2.11	1.41
240/540RA9	5.98	4.92	3.87	2.81	1.76
240/540RA12	6.68	5.28	4.22	3.17	2.11
240/540RA16	11.25	8.79	6.68	4.92	3.52
240/540RA20	15.47	12.31	9.50	7.03	5.63
<b>R-450A/R-513A</b>					
200RB/500RB/200RD 2	0.84	0.67	0.52	0.39	0.28
200RB/500RB/200RD 3	1.16	0.93	0.72	0.54	0.39
200RB/500RB/200RD 4	2.19	1.77	1.36	1.02	0.74
200RB/500RB/200RD 5	2.66	2.14	1.65	1.24	0.90
200RB/500RB/200RD 6	2.80	2.26	1.74	1.31	0.95
200RB/500RB/200RD 7	4.67	3.77	2.90	2.18	1.58
200RB/200RD 9	7.01	5.65	4.36	3.27	2.37
240/540RA8	3.69	2.98	2.29	1.72	1.25
240/540RA9T5	4.92	3.97	3.06	2.29	1.66
240/540RA9	5.90	4.76	3.67	2.75	2.00
240/540RA12	7.13	5.75	4.43	3.32	2.41
240/540RA16	14.27	11.51	8.87	6.65	4.83
240/540RA20	20.17	16.27	12.53	9.40	6.82
<b>R-404A/R-507</b>					
200RB/500RB/200RD 2	1.02	0.81	0.63	0.49	0.35
200RB/500RB/200RD 3	1.37	1.09	0.84	0.67	0.46
200RB/500RB/200RD 4	2.60	1.90	1.62	1.23	0.91
200RB/500RB/200RD 5	3.17	2.50	1.97	1.48	1.06
200RB/500RB/200RD 6	3.34	2.67	2.07	1.58	1.13
200RB/500RB/200RD 7	6.00	4.60	3.50	2.80	2.10
200RB/RD 9	8.44	6.68	5.28	3.87	2.99
240/540RA8	3.17	2.46	1.76	1.41	1.06
240/540RA9T5	5.28	4.22	3.17	2.46	1.76
240/540RA9	6.68	5.28	4.22	3.17	2.11
240/540RA12	7.74	6.33	4.92	3.52	2.81
240/540RA16	11.96	9.50	7.39	5.63	4.22
240/540RA20	16.88	13.36	10.20	7.74	5.63

<b>Tons</b>					
<b>SUCTION GAS CAPACITIES @ 2 PSI PRESSURE DROP</b>					
VALVE SERIES	Evaporator Temperature - F				
	40	20	0	-20	-40
	<b>R-448A/R-449A</b>				
200RB/500RB/200RD 2	0.32	0.30	0.25	0.19	0.15
200RB/500RB/200RD 3	0.44	0.42	0.34	0.27	0.21
200RB/500RB/200RD 4	0.82	0.80	0.65	0.51	0.40
200RB/500RB/200RD 5	1.00	0.97	0.79	0.61	0.48
200RB/500RB/200RD 6	1.06	1.02	0.83	0.65	0.51
200RB/500RB/200RD 7	1.76	1.70	1.38	1.08	0.85
200RB/200RD 9	2.64	2.55	2.07	1.62	1.27
240/540RA8	1.39	1.34	1.09	0.85	0.67
240/540RA9T5	1.85	1.79	1.46	1.14	0.89
240/540RA9	2.22	2.15	1.75	1.36	1.07
240/540RA12	2.69	2.59	2.11	1.65	1.30
240/540RA16	5.37	5.19	4.22	3.30	2.59
240/540RA20	7.60	7.33	5.97	4.66	3.66
<b>R-410A</b>					
200RD 2	0.28	0.22	0.20	0.21	0.16
200RD 3	0.57	0.46	0.37	0.29	0.23
200RD 4	1.07	0.88	0.70	0.55	0.43
200RD 5	1.30	1.06	0.85	0.67	0.51
200RD 6	1.37	1.12	0.90	0.72	0.55
200RD 7	2.40	2.00	1.60	1.20	1.00
200RD 9	3.45	2.87	2.30	1.80	1.39

<b>Kilowatts</b>					
<b>SUCTION GAS CAPACITIES @ 14.0 kPa PRESSURE DROP</b>					
VALVE SERIES	Evaporator Temperature - C				
	4	-7	-18	-29	-40
	<b>R-448A/R-449A</b>				
200RB/500RB/200RD 2	1.11	1.07	0.87	0.68	0.53
200RB/500RB/200RD 3	1.53	1.48	1.20	0.94	0.74
200RB/500RB/200RD 4	2.90	2.80	2.28	1.78	1.40
200RB/500RB/200RD 5	3.52	3.40	2.76	2.16	1.70
200RB/500RB/200RD 6	3.72	3.59	2.92	2.28	1.79
200RB/500RB/200RD 7	6.19	5.98	4.86	3.80	2.98
200RB/200RD 9	9.29	8.96	7.29	5.70	4.48
240/540RA8	4.89	4.72	3.84	3.00	2.36
240/540RA9T5	6.52	6.29	5.12	4.00	3.14
240/540RA9	7.82	7.55	6.14	4.80	3.77
240/540RA12	9.45	9.12	7.42	5.80	4.56
240/540RA16	18.90	18.24	14.84	11.59	9.11
240/540RA20	26.72	25.79	20.98	16.39	12.88
<b>R-410A</b>					
200RD 2	0.98	0.77	0.70	0.74	0.56
200RD 3	2.00	1.62	1.30	1.02	0.81
200RD 4	3.76	3.09	2.46	1.93	1.51
200RD 5	4.57	3.73	2.99	2.36	1.79
200RD 6	4.82	3.94	3.17	2.53	1.93
200RD 7	8.40	7.00	5.60	4.20	3.50
200RD 9	12.13	10.09	8.09	6.33	4.89

<b>Tons</b>					
<b>SUCTION GAS CAPACITIES @ 2 PSI PRESSURE DROP</b>					
VALVE SERIES	EVAPORATOR TEMPERATURE (°F)				
	0	-10	-20	-30	-40
	<b>R-744</b>				
200RD2	0.52	0.49	0.46	0.43	0.39
200RD3	1.07	1.00	0.94	0.87	0.80
200RD4	2.00	1.88	1.76	1.63	1.50
200RD5	2.43	2.29	2.14	1.98	1.82
200RD6	2.56	2.41	2.25	2.09	1.92
200RD7	2.71	2.55	2.39	2.21	2.03
200RD9	6.45	6.08	5.68	5.26	4.83

NOTE: Shading indicates nominal ratings at 20°F Liquid, -20°F Evaporating Temperature, and 25°F Superheat

<b>Kilowatts</b>					
<b>SUCTION GAS CAPACITIES @ 14.0 kPa PRESSURE DROP</b>					
VALVE SERIES	EVAPORATOR TEMPERATURE (°F)				
	0	-10	-20	-30	-40
	<b>R-744</b>				
200RD2	1.84	1.73	1.62	1.50	1.38
200RD3	3.75	3.53	3.30	3.06	2.81
200RD4	7.03	6.63	6.19	5.74	5.27
200RD5	8.55	8.05	7.52	6.97	6.41
200RD6	9.01	8.49	7.93	7.35	6.75
200RD7	9.53	8.98	8.39	7.78	7.14
200RD9	22.68	21.37	19.97	18.50	17.00

NOTE: Shading indicates nominal ratings at 20°F Liquid, -20°F Evaporating Temperature, and 25°F Superheat

<b>Tons</b>				
LIQUID CAPACITIES				
Pressure Drop Across Valve - psi				
VALVE SERIES	2	3	4	5
<b>R-12</b>				
50RB	0.34	0.42	0.48	0.54
100RB	0.80	1.00	1.16	1.20
200RB/500RB/200RD 2	2.28	2.80	3.23	3.61
200RB/500RB/200RD 3	3.04	3.72	4.30	4.80
200RB/500RB/200RD 4	4.95	6.17	7.12	7.97
200RB/500RB/200RD 5	5.20	6.38	7.37	8.24
200RB/500RB/200RD 6	6.01	7.36	8.50	9.50
200RB/500RB/200RD 7	10.75	13.05	15.10	17.05
200RB/RD 9	18.65	23.15	26.05	30.15
240/540RA8	10.00	12.20	14.10	15.80
240/540RA9T (5/8)	14.90	18.20	21.10	23.60
240/540RA9T (7/8, 1 1/8)	19.60	24.00	27.70	31.00
240/540RA12	22.50	27.60	31.80	35.60
240/540RA16	10.00	12.20	14.10	15.80
240/540RA20	14.90	18.20	21.10	23.60
<b>R-22</b>				
50RB	0.44	0.54	0.62	0.69
100RB	1.04	1.27	1.47	1.64
200RB/500RB/200RD 2	2.94	3.60	4.16	4.65
200RB/500RB/200RD 3	3.92	4.80	5.54	6.19
200RB/500RB/200RD 4	6.49	7.95	9.18	10.26
200RB/500RB/200RD 5	6.71	8.22	9.49	10.61
200RB/500RB/200RD 6	7.74	9.48	10.95	12.24
200RB/500RB/200RD 7	13.50	17.00	18.75	21.85
200RB/RD 9	23.60	29.50	34.10	38.15
240/540RA8	12.70	15.60	18.00	20.10
240/540RA9T (5/8)	19.00	23.30	26.90	30.10
240/540RA9T (7/8, 1 1/8)	24.90	30.50	35.20	39.40
240/540RA12	28.50	34.90	40.30	45.10
240/540RA16	47.40	58.00	67.00	74.90
240/540RA20	77.90	95.40	110.20	123.20
<b>R-502</b>				
50RB	0.30	0.35	0.40	0.50
100RB	0.70	0.83	1.00	1.10
200RB/500RB/200RD 2	1.93	2.36	2.73	3.05
200RB/500RB/200RD 3	2.57	3.14	3.63	4.06
200RB/500RB/200RD 4	4.15	5.21	6.02	6.73
200RB/500RB/200RD 5	4.50	5.39	6.22	6.69
200RB/500RB/200RD 6	5.08	6.22	7.18	8.03
200RB/500RB/200RD 7	9.22	11.29	13.04	14.57
200RB/RD 9	15.80	19.45	22.15	25.35
240/540RA8	8.20	10.10	11.70	13.00
240/540RA9T (5/8)	12.30	15.10	17.40	19.50
240/540RA9T (7/8, 1 1/8)	16.20	19.80	22.90	25.60
240/540RA12	18.50	22.70	26.20	29.30
240/540RA16	30.80	37.70	43.50	48.70
240/540RA20	50.60	62.00	71.60	80.00

<b>Kilowatts</b>				
LIQUID CAPACITIES				
Pressure Drop Across Valve - kpa				
VALVE SERIES	13.8	20.7	27.6	34.5
<b>R-12</b>				
50RB	1.20	1.48	1.69	1.90
100RB	2.81	3.52	4.08	4.22
200RB/500RB/200RD 2	8.02	9.85	11.36	12.70
200RB/500RB/200RD 3	10.69	13.08	15.12	16.88
200RB/500RB/200RD 4	17.41	21.70	25.04	28.03
200RB/500RB/200RD 5	18.29	22.44	25.92	28.98
200RB/500RB/200RD 6	21.14	25.88	29.89	33.41
200RB/500RB/200RD 7	37.81	45.90	53.11	59.96
200RB/RD 9	65.59	81.42	91.62	106.03
240/540RA8	35.17	42.91	49.59	55.57
240/540RA9T (5/8)	52.40	64.01	74.21	83.00
240/540RA9T (7/8, 1 1/8)	68.93	84.41	97.42	109.02
240/540RA12	79.13	97.07	111.84	125.20
240/540RA16	35.17	42.91	49.59	55.57
240/540RA20	52.40	64.01	74.21	83.00
<b>R-22</b>				
50RB	1.55	1.90	2.18	2.43
100RB	3.66	4.47	5.17	5.77
200RB/500RB/200RD 2	10.34	12.66	14.63	16.35
200RB/500RB/200RD 3	13.79	16.88	19.48	21.77
200RB/500RB/200RD 4	22.82	27.96	32.29	36.08
200RB/500RB/200RD 5	23.60	28.91	33.38	37.31
200RB/500RB/200RD 6	27.22	33.34	38.51	43.05
200RB/500RB/200RD 7	47.48	59.79	65.94	77.95
200RB/RD 9	83.00	103.75	119.93	134.17
240/540RA8	44.66	54.86	63.30	70.69
240/540RA9T (5/8)	66.82	81.94	94.60	105.86
240/540RA9T (7/8, 1 1/8)	87.57	107.27	123.79	138.57
240/540RA12	100.23	122.74	141.73	158.61
240/540RA16	166.70	203.98	235.63	263.42
240/540RA20	273.97	335.51	387.56	433.28
<b>R-502</b>				
50RB	1.06	1.23	1.41	1.76
100RB	2.46	2.92	3.52	3.87
200RB/500RB/200RD 2	6.79	8.30	9.60	10.73
200RB/500RB/200RD 3	9.04	11.04	12.77	14.28
200RB/500RB/200RD 4	14.60	18.32	21.17	23.67
200RB/500RB/200RD 5	15.83	18.96	21.88	23.53
200RB/500RB/200RD 6	17.87	21.88	25.25	28.24
200RB/500RB/200RD 7	32.43	39.71	45.86	51.24
200RB/RD 9	55.57	68.40	77.90	89.15
240/540RA8	28.84	35.52	41.15	45.72
240/540RA9T (5/8)	43.26	53.11	61.19	68.58
240/540RA9T (7/8, 1 1/8)	56.97	69.63	80.54	90.03
240/540RA12	65.06	79.83	92.14	103.05
240/540RA16	108.32	132.59	152.99	171.27
240/540RA20	177.96	218.05	251.81	281.35

NOTE: Shading indicates ARI standard ratings  
 All liquid capacities are based on 40°F Evaporator Temperature and 100°F Liquid Temperature.

NOTE: Capacity is based on largest connection size.

# Liquid Capacities

# Solenoid Capacity Tables

<b>Tons</b>				
LIQUID CAPACITIES				
Pressure Drop Across Valve - psi				
VALVE SERIES	2	3	4	5
<b>R-134a</b>				
50RB	0.41	0.50	0.60	0.60
100RB	0.96	1.20	1.40	1.50
200RB/500RB/200RD 2	2.72	3.33	3.85	4.30
200RB/500RB/200RD 3	3.62	4.44	5.12	5.73
200RB/500RB/200RD 4	6.00	7.35	8.49	9.49
200RB/500RB/200RD 5	6.21	7.60	8.78	9.82
200RB/500RB/200RD 6	7.16	8.77	10.13	11.32
200RB/500RB/200RD 7	12.68	15.93	18.39	20.56
200RB/RD 9	22.50	27.35	32.00	35.65
240/540RA8	12.10	14.80	17.10	19.10
240/540RA9T (5/8)	18.00	22.00	25.50	28.50
240/540RA9T (7/8, 1 1/8)	23.60	28.90	33.40	37.30
240/540RA12	27.10	33.20	38.30	42.80
240/540RA16	45.00	55.10	63.60	71.20
240/540RA20	70.90	86.80	100.30	112.10
<b>R-450A/R-513A</b>				
50RB	0.37	0.46	0.53	0.59
100RB	0.88	1.07	1.24	1.38
200RB/500RB/200RD 2	2.48	3.04	3.51	3.92
200RB/500RB/200RD 3	3.31	4.05	4.68	5.23
200RB/500RB/200RD 4	5.48	6.71	7.75	8.67
200RB/500RB/200RD 5	5.67	6.94	8.02	8.96
200RB/500RB/200RD 6	6.54	8.01	9.24	10.34
200RB/500RB/200RD 7	11.72	14.36	16.58	18.53
200RB/200RD 9	20.34	24.91	28.77	32.16
240/540RA8	10.76	13.17	15.21	17.01
240/540RA9T (5/8)	16.07	19.68	22.72	25.40
240/540RA9T (7/8, 1 1/8)	21.03	25.76	29.74	33.25
240/540RA12	24.06	29.47	34.03	38.05
240/540RA16	39.99	48.98	56.56	63.23
240/540RA20	65.78	80.56	93.02	104.00
<b>R-404A/R-507</b>				
50RB	0.30	0.34	0.40	0.40
100RB	0.70	0.85	1.00	1.10
200RB/500RB/200RD 2	1.90	2.32	2.68	3.00
200RB/500RB/200RD 3	2.52	3.09	3.57	4.00
200RB/500RB/200RD 4	4.18	5.12	5.92	6.61
200RB/500RB/200RD 5	4.33	5.30	6.12	6.84
200RB/500RB/200RD 6	4.99	6.11	7.06	7.89
200RB/500RB/200RD 7	9.06	11.10	12.81	14.33
200RB/RD 9	14.90	18.25	21.05	24.15
240/540RA8	8.40	10.30	11.90	13.30
240/540RA9T (5/8)	12.50	15.30	17.70	19.80
240/540RA9T (7/8, 1 1/8)	16.40	20.10	23.20	25.90
240/540RA12	18.80	23.00	26.60	29.70
240/540RA16	31.30	38.30	44.20	49.40
240/540RA20	53.60	65.70	75.90	84.80

<b>Kilowatts</b>				
LIQUID CAPACITIES				
Pressure Drop Across Valve - kpa				
VALVE SERIES	13.8	20.7	27.6	34.5
<b>R-134a</b>				
50RB	1.44	1.76	2.11	2.11
100RB	3.38	4.22	4.92	5.28
200RB/500RB/200RD 2	9.57	11.71	13.54	15.12
200RB/500RB/200RD 3	12.73	15.62	18.01	20.15
200RB/500RB/200RD 4	21.10	25.85	29.86	33.38
200RB/500RB/200RD 5	21.84	26.73	30.88	34.54
200RB/500RB/200RD 6	25.18	30.84	35.63	39.81
200RB/500RB/200RD 7	44.59	56.02	64.68	72.31
200RB/RD 9	79.13	96.19	112.54	125.38
240/540RA8	42.55	52.05	60.14	67.17
240/540RA9T (5/8)	63.30	77.37	89.68	100.23
240/540RA9T (7/8, 1 1/8)	83.00	101.64	117.46	131.18
240/540RA12	95.31	116.76	134.70	150.52
240/540RA16	158.26	193.78	223.67	250.40
240/540RA20	249.35	305.27	352.75	394.24
<b>R-450A/R-513A</b>				
50RB	1.31	1.60	1.85	2.07
100RB	3.08	3.77	4.36	4.87
200RB/500RB/200RD 2	8.73	10.69	12.35	13.80
200RB/500RB/200RD 3	11.64	14.26	16.46	18.40
200RB/500RB/200RD 4	19.28	23.61	27.26	30.48
200RB/500RB/200RD 5	19.93	24.41	28.19	31.52
200RB/500RB/200RD 6	22.99	28.15	32.51	36.35
200RB/500RB/200RD 7	41.22	50.49	58.30	65.18
200RB/200RD 9	71.53	87.61	101.16	113.10
240/540RA8	37.83	46.33	53.50	59.81
240/540RA9T (5/8)	56.50	69.20	79.90	89.33
240/540RA9T (7/8, 1 1/8)	73.96	90.58	104.59	116.94
240/540RA12	84.63	103.65	119.68	133.81
240/540RA16	140.64	172.25	198.90	222.37
240/540RA20	231.33	283.32	327.15	365.76
<b>R-404A/R-507</b>				
50RB	1.06	1.20	1.41	1.41
100RB	2.46	2.99	3.52	3.87
200RB/500RB/200RD 2	6.68	8.16	9.43	10.55
200RB/500RB/200RD 3	8.86	10.87	12.56	14.07
200RB/500RB/200RD 4	14.70	18.01	20.82	23.25
200RB/500RB/200RD 5	15.23	18.64	21.52	24.06
200RB/500RB/200RD 6	17.55	21.49	24.83	27.75
200RB/500RB/200RD 7	31.86	39.04	45.05	50.40
200RB/RD 9	52.40	64.18	74.03	84.93
240/540RA8	29.54	36.22	41.85	46.77
240/540RA9T (5/8)	43.96	53.81	62.25	69.63
240/540RA9T (7/8, 1 1/8)	57.68	70.69	81.59	91.09
240/540RA12	66.12	80.89	93.55	104.45
240/540RA16	110.08	134.70	155.45	173.73
240/540RA20	188.51	231.06	266.93	298.23

NOTE: Shading indicates ARI standard ratings  
 All liquid capacities are based on 40°F Evaporator Temperature and 100°F Liquid Temperature.  
 NOTE: Capacity is based on largest connection size.

<b>Tons</b>				
LIQUID CAPACITIES				
Pressure Drop Across Valve - psi				
VALVE SERIES	2	3	4	5
<b>R-448A/R-449A</b>				
50RB	0.44	0.54	0.63	0.70
100RB	1.04	1.28	1.47	1.65
200RB/500RB/200RD 2	2.95	3.61	4.17	4.67
200RB/500RB/200RD 3	3.93	4.82	5.56	6.22
200RB/500RB/200RD 4	6.52	7.98	9.22	10.30
200RB/500RB/200RD 5	6.74	8.25	9.53	10.65
200RB/500RB/200RD 6	7.77	9.52	10.99	12.29
200RB/500RB/200RD 7	13.94	17.07	19.71	22.03
200RB/200RD 9	24.18	29.62	34.20	38.24
240/540RA8	12.79	15.66	18.09	20.22
240/540RA9T (5/8)	19.10	23.39	27.01	30.20
240/540RA9T (7/8, 1 1/8)	25.00	30.62	35.36	39.53
240/540RA12	28.61	35.04	40.46	45.24
240/540RA16	47.55	58.23	67.24	75.18
240/540RA20	78.20	95.78	110.60	123.65
<b>R-407C</b>				
50RB	0.40	0.51	0.60	0.70
100RB	1.00	1.21	1.40	1.60
200RB/500RB/200RD 2	2.77	3.39	3.91	4.38
200RB/500RB/200RD 3	3.68	4.51	5.21	5.82
200RB/500RB/200RD 4	6.11	7.48	8.64	9.66
200RB/500RB/200RD 5	6.31	7.73	8.93	9.98
200RB/500RB/200RD 6	7.28	8.92	10.30	11.52
200RB/500RB/200RD 7	13.10	16.15	18.65	20.65
200RB/RD 9	22.85	27.95	32.05	36.15
240/540RA8	12.10	14.80	17.10	19.10
240/540RA9T (5/8)	18.00	22.10	25.50	28.50
240/540RA9T (7/8, 1 1/8)	23.70	29.00	33.50	37.40
240/540RA12	27.10	33.20	38.30	42.90
240/540RA16	45.10	55.20	63.70	71.30
240/540RA20	74.10	90.80	104.80	117.20
<b>R-410A</b>				
200RD 2	2.76	3.38	3.90	4.36
200RD 3	3.67	4.50	5.19	5.80
200RD 4	6.09	7.45	8.61	9.62
200RD 5	6.29	7.71	8.90	9.95
200RD 6	7.26	8.89	10.27	11.48
200RD 7	12.20	15.70	18.10	20.10
200RD 9	22.35	27.75	32.05	36.15

<b>Kilowatts</b>				
LIQUID CAPACITIES				
Pressure Drop Across Valve - kpa				
VALVE SERIES	13.8	20.7	27.6	34.5
<b>R-448A/R-449A</b>				
50RB	1.56	1.91	2.20	2.46
100RB	3.66	4.48	5.18	5.79
200RB/500RB/200RD 2	10.38	12.71	14.68	16.41
200RB/500RB/200RD 3	13.84	16.95	19.57	21.88
200RB/500RB/200RD 4	22.92	28.07	32.41	36.24
200RB/500RB/200RD 5	23.70	29.02	33.51	37.47
200RB/500RB/200RD 6	27.33	33.47	38.65	43.21
200RB/500RB/200RD 7	49.01	60.02	69.31	77.49
200RB/200RD 9	85.05	104.16	120.27	134.47
240/540RA8	44.97	55.08	63.60	71.11
240/540RA9T (5/8)	67.17	82.27	95.00	106.21
240/540RA9T (7/8, 1 1/8)	87.93	107.69	124.35	139.03
240/540RA12	100.61	123.23	142.29	159.08
240/540RA16	167.21	204.79	236.47	264.38
240/540RA20	275.03	336.84	388.95	434.86
<b>R-407C</b>				
50RB	1.41	1.79	2.11	2.46
100RB	3.52	4.26	4.92	5.63
200RB/500RB/200RD 2	9.74	11.92	13.75	15.40
200RB/500RB/200RD 3	12.94	15.86	18.32	20.47
200RB/500RB/200RD 4	21.49	26.31	30.39	33.97
200RB/500RB/200RD 5	22.19	27.19	31.41	35.10
200RB/500RB/200RD 6	25.60	31.37	36.22	40.51
200RB/500RB/200RD 7	46.53	56.97	65.80	73.54
200RB/RD 9	80.36	98.30	112.72	127.14
240/540RA8	42.55	52.05	60.14	67.17
240/540RA9T (5/8)	63.30	77.72	89.68	100.23
240/540RA9T (7/8, 1 1/8)	83.35	101.99	117.82	131.53
240/540RA12	95.31	116.76	134.70	150.88
240/540RA16	158.61	194.13	224.03	250.75
240/540RA20	260.60	319.33	368.57	412.18
<b>R-410A</b>				
200RD 2	9.71	11.89	13.72	15.33
200RD 3	12.91	15.83	18.25	20.40
200RD 4	21.42	26.20	30.28	33.83
200RD 5	22.12	27.12	31.30	34.99
200RD 6	25.53	31.27	36.12	40.37
200RD 7	42.91	55.22	63.66	70.69
200RD 9	78.60	97.59	112.72	127.14

<b>Tons</b>						
LIQUID CAPACITIES						
Pressure Drop Across Valve - psi						
VALVE SERIES	2	3	4	5	6	7
<b>R-744</b>						
200RD2	4.36	5.34	6.17	6.90	7.56	8.16
200RD3	5.80	7.11	8.21	9.18	10.1	10.86
200RD4	9.62	11.8	13.6	15.2	16.7	18.01
200RD5	9.95	12.2	14.1	15.7	17.2	18.62
200RD6	11.5	14.1	16.2	18.2	19.9	21.49
200RD7	20.1	24.6	28.4	31.8	34.8	37.62
200RD9	36.2	44.3	51.1	57.2	62.6	67.66

<b>Kilowatts</b>						
LIQUID CAPACITIES						
Pressure Drop Across Valve - kpa						
VALVE SERIES	13.8	20.7	27.6	34.5	41.4	48.3
<b>R-744</b>						
200RD2	15.34	18.79	21.70	24.26	26.57	28.70
200RD3	20.41	25.00	28.86	32.27	35.35	38.18
200RD4	33.85	41.46	47.87	53.52	58.63	63.33
200RD5	35.01	42.88	49.51	55.36	60.64	65.50
200RD6	40.40	49.47	57.13	63.87	69.97	75.57
200RD7	70.73	86.62	100.02	111.83	122.50	132.32
200RD9	127.20	155.79	179.89	201.12	220.32	237.97

NOTE: Shading indicates nominal ratings at 1°F saturation pressure drop across solenoid valve. All liquid capacities are based on 20°F Liquid and -20°F Evaporating Temperature.

NOTE: Shading indicates nominal ratings at 1°F saturation pressure drop across solenoid valve. All liquid capacities are based on 20°F Liquid and -20°F Evaporating Temperature

# Discharge Gas Capacities

# Solenoid Capacity Tables

<b>Tons</b>						
<b>DISCHARGE GAS CAPACITIES</b>						
<b>Pressure Drop Across Valve - psi</b>						
<b>VALVE SERIES</b>	<b>2</b>	<b>5</b>	<b>10</b>	<b>25</b>	<b>50</b>	<b>100</b>
<b>R-12</b>						
100RB	0.10	0.20	0.30	0.50	0.50	0.50
200RB/500RB/200RD 2	0.35	0.50	0.75	1.05	1.20	1.35
200RB/500RB/200RD 3	0.45	0.75	1.00	1.45	1.75	1.85
200RB/500RB/200RD 4	0.85	1.35	1.95	2.70	3.55	4.25
200RB/500RB/200RD 5	1.05	1.65	2.45	3.30	4.45	5.45
200RB/500RB/200RD 6	1.15	1.75	2.50	3.70	4.80	5.85
200RB/500RB/200RD 7	1.50	2.40	3.30	5.20	6.60	7.20
200RB/RD 9	2.80	4.45	6.22	9.35	11.45	12.50
240/540RA8	1.50	2.40	3.30	5.20	6.60	7.20
240/540RA9T5	2.50	4.00	5.60	8.30	10.40	11.20
240/540RA9	3.20	5.00	7.10	10.10	12.10	11.10
240/540RA12	3.50	5.50	7.80	11.70	14.00	12.40
240/540RA16	5.80	9.10	12.90	18.90	23.60	24.30
240/540RA20	8.10	12.80	18.10	28.20	34.40	33.10
<b>R-22</b>						
100RB	0.20	0.30	0.40	0.60	0.80	1.00
200RB/500RB/200RD 2	0.45	0.75	1.05	1.65	2.10	2.40
200RB/500RB/200RD 3	0.65	1.05	1.45	2.25	2.95	3.35
200RB/500RB/200RD 4	1.25	1.95	2.80	4.05	5.50	7.05
200RB/500RB/200RD 5	1.50	2.37	3.50	4.90	6.75	9.00
200RB/500RB/200RD 6	1.60	2.55	3.60	5.50	7.40	9.45
200RB/500RB/200RD 7	2.10	3.40	4.80	7.80	10.40	12.80
200RB/RD 9	4.05	6.25	9.05	14.45	19.00	22.05
240/540RA8	2.10	3.40	4.80	7.80	10.40	12.80
240/540RA9T5	3.60	5.70	8.10	12.50	16.60	20.40
240/540RA9	4.60	7.20	10.20	15.40	20.00	23.10
240/540RA12	5.10	8.00	11.30	18.10	23.40	26.60
240/540RA16	8.30	13.20	18.70	28.60	37.80	45.63
240/540RA20	11.70	18.40	26.10	43.00	56.10	66.00
<b>R-502</b>						
100RB	0.20	0.20	0.30	0.50	0.70	0.80
200RB/500RB/200RD 2	0.40	0.60	0.85	1.35	1.75	2.00
200RB/500RB/200RD 3	0.55	0.85	1.20	1.80	2.35	2.80
200RB/500RB/200RD 4	1.00	1.60	2.25	3.25	4.40	5.75
200RB/500RB/200RD 5	1.20	1.95	2.75	3.95	5.45	7.30
200RB/500RB/200RD 6	1.30	2.05	2.90	4.40	6.00	7.70
200RB/500RB/200RD 7	1.70	2.70	3.80	6.20	8.30	10.40
200RB/RD 9	3.30	5.20	7.35	11.60	15.45	18.30
240/540RA8	1.70	2.70	3.80	6.20	8.30	10.40
240/540RA9T5	2.90	4.50	6.40	10.00	13.30	16.50
240/540RA9	3.60	5.70	8.10	12.30	16.10	18.80
240/540RA12	4.00	6.40	9.00	14.40	18.70	21.70
240/540RA16	6.60	10.50	14.80	22.80	30.20	37.00
240/540RA20	9.30	14.60	20.70	34.30	45.00	53.70

<b>Kilowatts</b>						
<b>DISCHARGE GAS CAPACITIES</b>						
<b>Pressure Drop Across Valve - kpa</b>						
<b>VALVE SERIES</b>	<b>13.8</b>	<b>34.5</b>	<b>69</b>	<b>172.5</b>	<b>345</b>	<b>690</b>
<b>R-12</b>						
100RB	0.35	0.70	1.06	1.76	1.76	1.76
200RB/500RB/200RD 2	1.23	1.76	2.64	3.69	4.22	4.75
200RB/500RB/200RD 3	1.58	2.64	3.52	5.10	6.15	6.51
200RB/500RB/200RD 4	2.99	4.75	6.86	9.50	12.48	14.95
200RB/500RB/200RD 5	3.69	5.80	8.62	11.61	15.65	19.17
200RB/500RB/200RD 6	4.04	6.15	8.79	13.01	16.88	20.57
200RB/500RB/200RD 7	5.28	8.44	11.61	18.29	23.21	25.32
200RB/RD 9	9.85	15.65	21.88	32.88	40.27	43.96
240/540RA8	5.28	8.44	11.61	18.29	23.21	25.32
240/540RA9T5	8.79	14.07	19.69	29.19	36.58	39.39
240/540RA9	11.25	17.58	24.97	35.52	42.55	39.04
240/540RA12	12.31	19.34	27.43	41.15	49.24	43.61
240/540RA16	20.40	32.00	45.37	66.47	83.00	85.46
240/540RA20	28.49	45.02	63.66	99.18	120.98	116.41
<b>R-22</b>						
100RB	0.70	1.06	1.41	2.11	2.81	3.52
200RB/500RB/200RD 2	1.58	2.64	3.69	5.80	7.39	8.44
200RB/500RB/200RD 3	2.29	3.69	5.10	7.91	10.37	11.78
200RB/500RB/200RD 4	4.40	6.86	9.85	14.24	19.34	24.79
200RB/500RB/200RD 5	5.28	8.34	12.31	17.23	23.74	31.65
200RB/500RB/200RD 6	5.63	8.97	12.66	19.34	26.03	33.23
200RB/500RB/200RD 7	7.39	11.96	16.88	27.43	36.58	45.02
200RB/RD 9	14.24	21.98	31.83	50.82	66.82	77.55
240/540RA8	7.39	11.96	16.88	27.43	36.58	45.02
240/540RA9T5	12.66	20.05	28.49	43.96	58.38	71.74
240/540RA9	16.18	25.32	35.87	54.16	70.34	81.24
240/540RA12	17.94	28.14	39.74	63.66	82.30	93.55
240/540RA16	29.19	46.42	65.77	100.58	132.94	160.48
240/540RA20	41.15	64.71	91.79	151.23	197.30	232.12
<b>R-502</b>						
100RB	0.70	0.70	1.06	1.76	2.46	2.81
200RB/500RB/200RD 2	1.41	2.11	2.99	4.75	6.15	7.03
200RB/500RB/200RD 3	1.93	2.99	4.22	6.33	8.26	9.85
200RB/500RB/200RD 4	3.52	5.63	7.91	11.43	15.47	20.22
200RB/500RB/200RD 5	4.22	6.86	9.67	13.89	19.17	25.67
200RB/500RB/200RD 6	4.57	7.21	10.20	15.47	21.10	27.08
200RB/500RB/200RD 7	5.98	9.50	13.36	21.80	29.19	36.58
200RB/RD 9	11.61	18.29	25.85	40.80	54.34	64.36
240/540RA8	5.98	9.50	13.36	21.80	29.19	36.58
240/540RA9T5	10.20	15.83	22.51	35.17	46.77	58.03
240/540RA9	12.66	20.05	28.49	43.26	56.62	66.12
240/540RA12	14.07	22.51	31.65	50.64	65.77	76.32
240/540RA16	23.21	36.93	52.05	80.19	106.21	130.13
240/540RA20	32.71	51.35	72.80	120.63	158.26	188.86

NOTE: Shading indicates ARI standard ratings  
 NOTE: Capacity is based on largest connection size.

# Discharge Gas Capacities

# Solenoid Capacity Tables

<b>Tons</b>						
<b>DISCHARGE GAS CAPACITIES</b>						
<b>Pressure Drop Across Valve - psi</b>						
<b>VALVE SERIES</b>	<b>2</b>	<b>5</b>	<b>10</b>	<b>25</b>	<b>50</b>	<b>100</b>
<b>R-134a</b>						
100RB	0.20	0.20	0.30	0.50	0.60	0.60
200RB/500RB/200RD 2	0.40	0.65	0.90	1.30	1.55	1.40
200RB/500RB/200RD 3	0.55	0.85	1.20	1.75	2.15	2.05
200RB/500RB/200RD 4	1.00	1.65	2.30	3.25	4.30	5.20
200RB/500RB/200RD 5	1.25	2.00	2.85	4.00	5.40	6.85
200RB/500RB/200RD 6	1.35	2.15	3.00	4.45	5.80	6.95
200RB/500RB/200RD 7	1.80	2.80	4.00	6.20	8.00	8.90
200RB/RD 9	3.40	5.30	7.60	11.45	14.15	15.25
240/540RA8	1.80	2.80	4.00	6.20	8.00	8.90
240/540RA9T5	3.00	4.70	6.70	10.00	12.70	13.90
240/540RA9	3.80	6.00	8.50	12.20	14.80	14.20
240/540RA12	4.20	6.60	9.40	14.20	17.10	15.90
240/540RA16	6.90	10.90	15.40	22.80	28.60	30.40
240/540RA20	9.70	15.30	21.60	34.00	41.90	41.90
<b>R-450A/R-513A</b>						
100RB	0.13	0.20	0.28	0.41	0.51	0.53
200RB/500RB/200RD 2	0.29	0.46	0.63	0.93	1.16	1.18
200RB/500RB/200RD 3	0.42	0.66	0.92	1.35	1.67	1.71
200RB/500RB/200RD 4	0.82	1.27	1.76	2.59	3.22	3.28
200RB/500RB/200RD 5	0.98	1.53	2.11	3.11	3.86	3.94
200RB/500RB/200RD 6	1.04	1.63	2.25	3.32	4.12	4.20
200RB/500RB/200RD 7	1.37	2.14	2.96	4.36	5.41	5.52
200RB/200RD 9	2.64	4.12	5.70	8.40	10.43	10.64
240/540RA8	1.37	2.14	2.96	4.36	5.41	5.52
240/540RA9T5	2.35	3.67	5.07	7.47	9.27	9.46
240/540RA9	3.00	4.68	6.48	9.54	11.84	12.09
240/540RA12	3.33	5.19	7.18	10.58	13.13	13.40
240/540RA16	5.42	8.45	11.69	17.21	21.37	21.81
240/540RA20	7.63	11.91	16.47	24.27	30.12	30.75
<b>R-404A/R-507</b>						
100RB	0.20	0.30	0.40	0.60	0.70	0.90
200RB/500RB/200RD 2	0.45	0.70	1.00	1.50	1.95	2.25
200RB/500RB/200RD 3	0.60	0.95	1.30	2.00	2.65	3.15
200RB/500RB/200RD 4	1.10	1.75	2.50	3.65	4.95	6.45
200RB/500RB/200RD 5	1.35	2.05	3.00	4.35	5.80	8.15
200RB/500RB/200RD 6	1.45	2.20	3.15	4.45	6.00	8.67
200RB/500RB/200RD 7	1.80	2.90	4.10	5.70	8.90	11.30
200RB/RD 9	3.55	5.75	8.15	13.20	17.30	20.95
240/540RA8	1.80	2.90	4.10	6.70	8.90	11.30
240/540RA9T5	3.10	4.90	6.90	10.70	14.30	17.90
240/540RA9	3.90	6.20	8.70	13.30	17.40	20.20
240/540RA12	4.30	6.80	9.60	15.50	20.30	23.90
240/540RA16	7.10	11.30	16.00	23.60	30.80	36.20
240/540RA20	9.90	15.70	22.20	36.90	48.70	58.90

NOTE: Shading indicates ARI standard ratings  
NOTE: Capacity is based on largest connection size.

<b>Kilowatts</b>						
<b>DISCHARGE GAS CAPACITIES</b>						
<b>Pressure Drop Across Valve - kpa</b>						
<b>VALVE SERIES</b>	<b>13.8</b>	<b>34.5</b>	<b>69</b>	<b>172.5</b>	<b>345</b>	<b>690</b>
<b>R-134a</b>						
100RB	0.70	0.70	1.06	1.76	2.11	2.11
200RB/500RB/200RD 2	1.41	2.29	3.17	4.57	5.45	4.92
200RB/500RB/200RD 3	1.93	2.99	4.22	6.15	7.56	7.21
200RB/500RB/200RD 4	3.52	5.80	8.09	11.43	15.12	18.29
200RB/500RB/200RD 5	4.40	7.03	10.02	14.07	18.99	24.09
200RB/500RB/200RD 6	4.75	7.56	10.55	15.65	20.40	24.44
200RB/500RB/200RD 7	6.33	9.85	14.07	21.80	28.14	31.30
200RB/RD 9	11.96	18.64	26.73	40.27	49.76	53.63
240/540RA8	6.33	9.85	14.07	21.80	28.14	31.30
240/540RA9T5	10.55	16.53	23.56	35.17	44.66	48.88
240/540RA9	13.36	21.10	29.89	42.91	52.05	49.94
240/540RA12	14.77	23.21	33.06	49.94	60.14	55.92
240/540RA16	24.27	38.33	54.16	80.19	100.58	106.91
240/540RA20	34.11	53.81	75.97	119.57	147.36	147.36
<b>R-450A/R-513A</b>						
100RB	0.46	0.72	0.99	1.46	1.81	1.85
200RB/500RB/200RD 2	1.03	1.61	2.23	3.28	4.07	4.16
200RB/500RB/200RD 3	1.49	2.33	3.22	4.74	5.89	6.01
200RB/500RB/200RD 4	2.87	4.48	6.19	9.12	11.32	11.55
200RB/500RB/200RD 5	3.44	5.37	7.43	10.94	13.58	13.86
200RB/500RB/200RD 6	3.67	5.73	7.92	11.67	14.49	14.79
200RB/500RB/200RD 7	4.82	7.52	10.40	15.32	19.02	19.41
200RB/200RD 9	9.29	14.50	20.05	29.54	36.67	37.43
240/540RA8	4.82	7.52	10.40	15.32	19.02	19.41
240/540RA9T5	8.26	12.89	17.82	26.26	32.60	33.27
240/540RA9	10.56	16.47	22.78	33.55	41.65	42.51
240/540RA12	11.70	18.26	25.25	37.20	46.18	47.13
240/540RA16	19.05	29.72	41.09	60.54	75.16	76.71
240/540RA20	26.85	41.89	57.93	85.34	105.94	108.13
<b>R-404A/R-507</b>						
100RB	0.70	1.06	1.41	2.11	2.46	3.17
200RB/500RB/200RD 2	1.58	2.46	3.52	5.28	6.86	7.91
200RB/500RB/200RD 3	2.11	3.34	4.57	7.03	9.32	11.08
200RB/500RB/200RD 4	3.87	6.15	8.79	12.84	17.41	22.68
200RB/500RB/200RD 5	4.75	7.21	10.55	15.30	20.40	28.66
200RB/500RB/200RD 6	5.10	7.74	11.08	15.65	21.10	30.49
200RB/500RB/200RD 7	6.33	10.20	14.42	20.05	31.30	39.74
200RB/RD 9	12.48	20.22	28.66	46.42	60.84	73.68
240/540RA8	6.33	10.20	14.42	23.56	31.30	39.74
240/540RA9T5	10.90	17.23	24.27	37.63	50.29	62.95
240/540RA9	13.72	21.80	30.60	46.77	61.19	71.04
240/540RA12	15.12	23.91	33.76	54.51	71.39	84.05
240/540RA16	24.97	39.74	56.27	83.00	108.32	127.31
240/540RA20	34.82	55.22	78.08	129.77	171.27	207.15



<b>Tons</b>						
DISCHARGE GAS CAPACITIES						
Pressure Drop Across Valve - psi						
VALVE SERIES	2	5	10	25	50	100
<b>R-448A/R-449A</b>						
100RB	0.23	0.36	0.51	0.78	1.04	1.31
200RB/500RB/200RD 2	0.52	0.81	1.14	1.75	2.34	2.96
200RB/500RB/200RD 3	0.75	1.17	1.64	2.52	3.39	4.27
200RB/500RB/200RD 4	1.44	2.26	3.16	4.85	6.51	8.21
200RB/500RB/200RD 5	1.72	2.71	3.80	5.82	7.81	9.86
200RB/500RB/200RD 6	1.84	2.89	4.05	6.21	8.33	10.51
200RB/500RB/200RD 7	2.41	3.79	5.31	8.15	10.94	13.80
200RB/200RD 9	4.66	7.32	10.25	15.72	21.10	26.61
240/540RA8	2.41	3.79	5.31	8.15	10.94	13.80
240/540RA9T5	4.14	6.51	9.11	13.97	18.75	23.66
240/540RA9	5.29	8.31	11.64	17.86	23.96	30.23
240/540RA12	5.86	9.22	12.91	19.80	26.56	33.51
240/540RA16	9.54	15.00	21.00	32.22	43.23	54.54
240/540RA20	13.45	21.14	29.61	45.42	60.94	76.89
<b>R-407C</b>						
100RB	0.20	0.30	0.40	0.60	0.80	1.00
200RB/500RB/200RD 2	0.45	0.70	0.95	1.45	1.90	2.25
200RB/500RB/200RD 3	0.60	0.90	1.25	1.95	2.55	3.05
200RB/500RB/200RD 4	1.05	1.70	2.40	3.50	4.75	6.20
200RB/500RB/200RD 5	1.30	2.10	3.00	4.20	5.80	7.85
200RB/500RB/200RD 6	1.40	2.20	3.10	4.75	7.55	8.35
200RB/500RB/200RD 7	2.10	3.30	4.70	7.70	10.30	13.00
200RB/RD 9	3.50	5.50	7.80	12.55	16.70	20.15
240/540RA8	2.10	3.30	4.70	7.70	10.30	13.00
240/540RA9T5	3.60	5.60	8.00	12.40	16.50	20.60
240/540RA9	4.50	7.10	10.10	15.30	20.00	22.50
240/540RA12	6.00	9.50	13.40	21.20	29.60	37.10
240/540RA16	8.20	13.00	18.40	28.40	37.70	46.20
240/540RA20	11.50	18.20	25.70	42.70	56.10	67.20
<b>R-410A</b>						
200RD 2	0.55	0.90	1.30	2.05	2.75	3.40
200RD 3	0.80	1.25	1.75	2.80	3.75	4.70
200RD 4	1.50	2.40	3.35	5.35	6.80	9.10
200RD 5	1.85	2.95	4.25	6.75	8.30	11.30
200RD 6	2.00	3.10	4.35	6.85	9.25	12.25
200RD 7	2.30	3.55	5.00	7.80	9.80	13.00
200RD 9	4.90	7.80	11.05	17.60	24.15	30.60

<b>Kilowatts</b>						
DISCHARGE GAS CAPACITIES						
Pressure Drop Across Valve - kpa						
VALVE SERIES	13.8	34.5	69	172.5	345	690
<b>R-448A/R-449A</b>						
100RB	0.81	1.27	1.78	2.73	3.66	4.62
200RB/500RB/200RD 2	1.82	2.86	4.00	6.14	8.24	10.40
200RB/500RB/200RD 3	2.63	4.13	5.78	8.87	11.91	15.02
200RB/500RB/200RD 4	5.05	7.94	11.12	17.06	22.90	28.89
200RB/500RB/200RD 5	6.06	9.53	13.35	20.48	27.48	34.67
200RB/500RB/200RD 6	6.47	10.17	14.24	21.84	29.31	36.98
200RB/500RB/200RD 7	8.49	13.35	18.69	28.67	38.47	48.53
200RB/200RD 9	16.37	25.74	36.04	55.29	74.19	93.60
240/540RA8	8.49	13.35	18.69	28.67	38.47	48.53
240/540RA9T5	14.55	22.88	32.04	49.15	65.94	83.20
240/540RA9	18.60	29.23	40.94	62.80	84.26	106.31
240/540RA12	20.62	32.41	45.39	69.62	93.42	117.86
240/540RA16	33.56	52.75	73.86	113.31	152.04	191.82
240/540RA20	47.30	74.35	104.12	159.72	214.32	270.39
<b>R-407C</b>						
100RB	0.70	1.06	1.41	2.11	2.81	3.52
200RB/500RB/200RD 2	1.58	2.46	3.34	5.10	6.68	7.91
200RB/500RB/200RD 3	2.11	3.17	4.40	6.86	8.97	10.73
200RB/500RB/200RD 4	3.69	5.98	8.44	12.31	16.71	21.80
200RB/500RB/200RD 5	4.57	7.39	10.55	14.77	20.40	27.61
200RB/500RB/200RD 6	4.92	7.74	10.90	16.71	26.55	29.37
200RB/500RB/200RD 7	7.39	11.61	16.53	27.08	36.22	45.72
200RB/RD 9	12.31	19.34	27.43	44.14	58.73	70.87
240/540RA8	7.39	11.61	16.53	27.08	36.22	45.72
240/540RA9T5	12.66	19.69	28.14	43.61	58.03	72.45
240/540RA9	15.83	24.97	35.52	53.81	70.34	79.13
240/540RA12	21.10	33.41	47.13	74.56	104.10	130.48
240/540RA16	28.84	45.72	64.71	99.88	132.59	162.48
240/540RA20	40.44	64.01	90.38	150.17	197.30	236.34
<b>R-410A</b>						
200RD 2	1.93	3.17	4.57	7.21	9.67	11.96
200RD 3	2.81	4.40	6.15	9.85	13.19	16.53
200RD 4	5.28	8.44	11.78	18.82	23.91	32.00
200RD 5	6.51	10.37	14.95	23.74	29.19	39.74
200RD 6	7.03	10.90	15.30	24.09	32.53	43.08
200RD 7	8.09	12.48	17.58	27.43	34.47	45.72
200RD 9	17.23	27.43	38.86	61.90	84.93	107.62

<b>Tons</b>					
DISCHARGE GAS CAPACITIES					
Pressure Drop Across Valve - psi					
VALVE SERIES	2	5	10	25	50
<b>R-744</b>					
200RD2	0.80	1.26	1.77	2.74	3.73
200RD3	1.16	1.83	2.57	3.98	5.43
200RD4	2.18	3.43	4.82	7.46	10.18
200RD5	2.69	4.23	5.95	9.21	12.6
200RD6	2.91	4.58	6.43	9.95	13.6
200RD7	3.34	5.26	7.39	11.4	15.6
200RD9	7.12	11.2	15.7	24.4	33.3

<b>Kilowatts</b>					
DISCHARGE GAS CAPACITIES					
Pressure Drop Across Valve - kpa					
VALVE SERIES	13.8	34.5	69	172.5	345
<b>R-744</b>					
200RD2	2.81	4.43	6.22	9.63	13.13
200RD3	4.09	6.44	9.04	14.00	19.10
200RD4	7.67	12.07	16.95	26.25	35.82
200RD5	9.45	14.89	20.91	32.38	44.18
200RD6	10.22	16.09	22.60	35.00	47.76
200RD7	11.75	18.51	25.99	40.25	54.92
200RD9	25.04	39.43	55.38	85.75	117.01

NOTE: Shading indicates nominal ratings based on 30°F Condensing with 50°F Superheat at compressor discharge, 20°F Liquid, -20°F Evaporator and 25°F Superheat at compressor suction.

NOTE: Shading indicates nominal ratings based on 30°F Condensing with 50°F Superheat at compressor discharge, 20°F liquid, -20°F Evaporator and 25°F Superheat at compressor suction.