R-12 Extended Capacities (Tons) - EX2 Series

Capacities are for EX2 @ 100% duty cycle

Valve Type	Nominal Rating	Evaporator Temperature																	
		50°F						40°F						20°F					
		Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
		60	80	100	125	150	175	60	80	100	125	150	175	60	80	100	125	150	175
EX2-00X	0.23	0.14	0.27	0.30	0.33	0.36	0.39	0.14	0.16	0.18	0.20	0.22	0.24	0.13	0.15	0.17	0.19	0.21	0.22
EX2-000	0.4	0.24	0.46	0.52	0.58	0.63	0.68	0.24	0.28	0.31	0.35	0.38	0.41	0.23	0.27	0.30	0.33	0.36	0.39
EX2-001	0.81	0.49	0.94	1.05	1.17	1.28	1.38	0.48	0.55	0.62	0.69	0.75	0.82	0.46	0.53	0.59	0.66	0.73	0.79
EX2-002	1.1	0.67	1.27	1.42	1.59	1.74	1.88	0.65	0.75	0.84	0.94	1.03	1.11	0.63	0.73	0.81	0.91	1.00	1.08
EX2-003	2.0	1.21	2.31	2.58	2.89	3.16	3.42	1.19	1.37	1.54	1.72	1.88	2.03	1.14	1.32	4.71	1.65	1.80	1.95
EX2-004	2.7	1.63	3.12	3.49	3.90	4.27	4.61	1.60	1.85	2.07	2.31	2.53	2.73	1.54	1.78	1.99	2.22	2.43	2.63
EX2-M00	4.3	2.60	4.97	5.55	6.21	6.80	7.34	2.55	2.94	3.29	3.68	4.03	4.35	2.45	2.83	3.16	3.54	3.87	4.18

Valve Type	Nominal Rating	Evaporator Temperature																	
		0°F						-20°F						-40°F					
		Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
		60	80	100	125	150	175	80	100	125	150	175	200	80	100	125	150	175	200
EX2-00X	0.23	0.13	0.27	0.30	0.33	0.36	0.39	0.14	0.16	0.18	0.20	0.22	0.24	0.11	0.13	0.14	0.16	0.17	0.19
EX2-000	0.4	0.22	0.46	0.52	0.58	0.63	0.68	0.24	0.28	0.31	0.35	0.38	0.41	0.20	0.23	0.26	0.29	0.32	0.34
EX2-001	0.81	0.44	0.34	1.05	1.17	1.28	1.38	0.48	0.55	0.62	0.69	0.75	0.82	0.40	0.46	0.52	0.58	0.63	0.68
EX2-002	1.1	0.60	1.27	1.42	1.59	1.74	1.88	0.66	0.76	0.85	0.95	1.04	1.13	0.54	0.62	0.70	0.78	0.85	0.92
EX2-003	2.0	1.09	2.31	2.58	2.89	3.16	3.42	1.20	1.39	1.55	1.73	1.90	2.05	0.98	1.13	1.27	1.41	1.55	1.67
EX2-004	2.7	1.47	3.12	3.49	3.90	4.27	4.61	1.40	1.62	1.81	2.02	2.21	2.39	1.33	1.54	1.72	1.92	2.10	2.27
EX2-M00	4.3	2.34	4.97	5.55	6.21	6.80	7.34	2.57	2.97	3.32	3.71	4.06	4.39	2.12	2.45	2.74	3.08	3.35	3.62

R-22 Extended Capacities (Tons) - EX2 Series

Capacities are for EX2 @ 100% duty cycle

Valve Type	Nominal Rating	Evaporator Temperature																	
		50°F						40°F						20°F					
		Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
		60	80	100	125	150	175	60	80	100	125	150	175	60	80	100	125	150	175
EX2-00X	0.23	0.18	0.21	0.23	0.26	0.28	0.31	0.18	0.21	0.23	0.26	0.28	0.31	0.17	0.20	0.22	0.25	0.27	0.29
EX2-000	0.4	0.31	0.36	0.40	0.45	0.49	0.53	0.31	0.36	0.40	0.45	0.49	0.53	0.30	0.35	0.39	0.43	0.47	0.51
EX2-001	0.81	0.64	0.74	0.83	0.92	1.01	1.09	0.63	0.73	0.81	0.91	1.00	1.08	0.61	0.70	0.79	0.88	0.96	1.04
EX2-002	1.1	0.86	0.99	1.11	1.24	1.36	1.47	0.85	0.98	1.10	1.23	1.34	1.45	0.83	0.96	1.07	1.20	1.31	1.42
EX2-003	2.0	1.57	1.81	2.08	2.27	2.48	2.68	1.55	1.79	2.00	2.21	2.45	2.65	1.51	1.74	1.95	2.18	2.39	2.58
EX2-004	2.7	2.12	2.45	2.74	3.06	3.35	3.62	2.10	2.42	2.71	3.03	3.32	3.59	2.04	2.36	2.63	2.94	3.23	3.48
EX2-M00	4.3	3.38	3.90	4.36	4.88	5.34	5.77	3.34	3.86	4.31	4.82	5.28	5.70	3.25	3.75	4.20	4.69	5.14	5.55

Valve Type	Nominal Rating	Evaporator Temperature																	
		0°F						-20°F						-40°F					
		Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
		60	80	100	125	150	175	80	100	125	150	175	200	80	100	125	150	175	200
EX2-00X	0.23	0.17	0.20	0.22	0.25	0.27	0.29	0.19	0.21	0.24	0.26	0.28	0.30	0.18	0.20	0.23	0.25	0.27	0.28
EX2-000	0.4	0.29	0.33	0.37	0.42	0.46	0.50	0.33	0.37	0.41	0.45	0.49	0.52	0.32	0.36	0.40	0.44	0.47	0.51
EX2-001	0.81	0.60	0.69	0.77	0.87	0.95	1.02	0.67	0.75	0.84	0.92	0.99	1.06	0.64	0.72	0.80	0.88	0.95	1.01
EX2-002	1.1	0.81	0.94	1.05	1.17	1.28	1.38	0.90	1.01	1.13	1.23	1.33	1.42	0.87	0.97	1.09	1.19	1.29	1.38
EX2-003	2.0	1.47	1.70	1.90	2.12	2.32	2.51	1.64	1.83	2.05	2.25	2.43	2.59	1.59	1.78	1.99	2.18	2.35	2.51
EX2-004	2.7	1.99	2.30	2.57	2.87	3.15	3.40	2.22	2.48	2.78	3.04	3.28	3.51	2.14	2.39	2.68	2.93	3.17	3.38
EX2-M00	4.3	3.16	3.65	4.08	4.56	5.00	5.40	3.54	3.96	4.43	4.85	5.24	5.60	3.42	3.82	4.28	4.68	5.06	5.41

R-134a Extended Capacities (Tons) - EX2 Series

Capacities are for EX2 @ 100% duty cycle

Valve Type	Nominal Rating	Evaporator Temperature																	
		50°F						40°F						20°F					
		Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
		60	80	100	125	150	175	60	80	100	125	150	175	60	80	100	125	150	175
EX2-00X	0.23	0.17	0.20	0.22	0.25	0.27	0.29	0.17	0.20	0.22	0.25	0.27	0.29	0.16	0.18	0.21	0.23	0.25	0.27
EX2-000	0.4	0.30	0.35	0.39	0.43	0.47	0.51	0.23	0.33	0.37	0.42	0.46	0.50	0.28	0.32	0.36	0.40	0.44	0.48
EX2-001	0.81	0.61	0.70	0.79	0.88	0.96	1.04	0.59	0.68	0.79	0.85	0.93	1.01	0.57	0.66	0.74	0.82	0.90	0.97
EX2-002	1.1	0.82	0.95	1.06	1.18	1.30	1.40	0.81	0.94	1.05	1.17	1.28	1.38	0.77	0.89	0.99	1.11	1.22	1.32
EX2-003	2.0	1.56	1.79	2.00	2.24	2.45	2.65	1.52	1.75	1.96	2.19	2.40	2.60	1.47	1.70	1.90	2.12	2.32	2.51
EX2-004	2.7	2.02	2.33	2.61	2.92	3.19	3.45	1.98	2.29	2.56	2.86	3.13	3.38	1.90	2.19	2.45	2.74	3.00	3.24
EX2-M00	4.3	3.22	3.72	4.16	4.65	5.09	5.50	3.16	3.65	4.08	4.56	5.00	5.40	3.02	3.49	3.90	4.36	4.78	5.16

Valve Type	Nominal Rating	Evaporator Temperature																	
		0°F						-20°F						-40°F					
		Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
		60	80	100	125	150	175	80	100	125	150	175	200	80	100	125	150	175	200
EX2-00X	0.23	0.15	0.17	0.19	0.22	0.24	0.26	0.17	0.19	0.21	0.23	0.25	0.27	0.16	0.18	0.20	0.22	0.24	0.25
EX2-000	0.4	0.27	0.31	0.35	0.39	0.43	0.46	0.29	0.32	0.38	0.40	0.43	0.46	0.28	0.31	0.35	0.38	0.41	0.44
EX2-001	0.81	0.54	0.62	0.70	0.78	0.85	0.92	0.59	0.66	0.74	0.81	0.87	0.93	0.56	0.63	0.70	0.77	0.83	0.89
EX2-002	1.1	0.74	0.85	0.36	1.07	1.17	1.26	0.81	0.91	1.01	1.11	1.20	1.28	0.76	0.85	0.95	1.04	1.12	1.20
EX2-003	2.0	1.41	1.63	1.82	2.04	2.23	2.41	1.56	1.74	1.95	2.14	2.31	2.47	1.49	1.67	1.86	2.04	2.20	2.36
EX2-004	2.7	1.81	2.09	2.34	2.61	2.86	3.09	1.98	2.21	2.48	2.71	2.93	3.13	1.88	2.10	2.35	2.57	2.78	2.97
EX2-M00	4.3	2.88	3.33	3.72	4.16	4.55	4.32	3.16	3.53	3.95	4.33	4.67	5.00	2.99	3.34	3.74	4.09	4.42	4.73

R-404A/R-507 Extended Capacities (Tons) - EX2 Series

Capacities are for EX2 @ 100% duty cycle

Valve Type	Nominal Rating	Evaporator Temperature																	
		50°F						40°F						20°F					
		Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
		60	80	100	125	150	175	60	80	100	125	150	175	60	80	100	125	150	175
EX2-00X	0.23	0.13	0.15	0.17	0.19	0.21	0.22	0.13	0.15	0.17	0.19	0.21	0.22	0.12	0.14	0.15	0.17	0.19	0.20
EX2-000	0.4	0.23	0.27	0.30	0.33	0.36	0.39	0.22	0.25	0.28	0.32	0.35	0.38	0.21	0.24	0.27	0.30	0.33	0.36
EX2-001	0.81	0.47	0.54	0.61	0.68	0.74	0.80	0.46	0.53	0.59	0.66	0.73	0.79	0.43	0.50	0.56	0.62	0.68	0.73
EX2-002	1.1	0.63	0.73	0.81	0.91	1.00	1.08	0.52	0.72	0.80	0.89	0.98	1.06	0.59	0.68	0.76	0.85	0.93	1.01
EX2-003	2.0	1.15	1.33	1.48	1.66	1.82	1.96	1.12	1.29	1.45	1.62	1.77	1.91	1.07	1.24	1.38	1.54	1.69	1.83
EX2-004	2.7	1.55	1.79	2.00	2.24	2.45	2.65	1.52	1.76	1.96	2.19	2.40	2.60	1.44	1.66	1.86	2.08	2.28	2.46
EX2-M00	4.3	2.47	2.85	3.19	3.57	3.91	4.22	2.42	2.79	3.12	3.49	3.83	4.13	2.30	2.66	2.97	3.32	3.64	3.93

Valve Type	Nominal Rating	Evaporator Temperature																	
		0°F						-20°F						-40°F					
		Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
		60	80	100	125	150	175	80	100	125	150	175	200	80	100	125	150	175	200
EX2-00X	0.23	0.12	0.14	015	0.17	0.19	0.20	0.13	0.35	0.16	0.18	0.19	0.21	0.12	0.13	0.15	0.16	0.18	0.19
EX2-000	0.4	0.20	0.23	0.26	0.29	0.32	0.34	0.22	0.25	0.28	0.30	0.33	0.35	0.20	0.22	0.25	0.27	0.30	0.32
EX2-001	0.81	0.41	0.47	0.53	0.59	0.65	0.70	0.44	0.49	0.55	0.60	0.65	0.70	0.41	0.46	0.51	0.56	0.61	0.65
EX2-002	1.1	0.55	0.64	0.71	0.79	0.67	0.94	0.60	0.67	0.75	0.82	0.89	0.95	0.56	0.63	0.70	0.77	0.83	0.89
EX2-003	2.0	1.01	1.17	1.30	1.46	1.60	1.72	1.09	1.22	1.36	1.49	1.61	1.72	1.02	1.14	1.28	1.40	1.51	1.61
EX2-004	2.7	1.38	1.57	1.76	1.96	2.15	2.32	1.48	1.65	1.85	2.03	2.19	2.34	1.38	1.54	1.73	1.89	2.04	2.18
EX2-M00	4.3	2.17	2.51	2.80	3.13	3.43	371	2.35	2.63	2.94	3.22	3.48	3.72	2.19	2.45	2.74	3.00	3.24	3.46

R-407C Extended Capacities (Tons) - EX2 Series

Capacities are for EX2 @ 100% duty cycle

Valve Type	Nominal Rating	Evaporator Temperature																	
		50°F						40°F						20°F					
		Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
		60	80	100	125	150	175	60	80	100	125	150	175	60	80	100	125	150	175
EX2-00X	0.23	0.17	0.20	0.22	0.25	0.27	0.29	0.17	0.20	0.22	0.25	0.27	0.29	0.16	0.18	0.21	0.23	0.25	0.27
EX2-000	0.4	0.30	0.35	0.39	0.43	0.47	0.51	0.30	0.35	0.39	0.43	0.47	0.51	0.28	0.32	0.36	0.40	0.44	0.48
EX2-001	0.81	0.61	0.70	0.79	0.88	0.96	1.04	0.50	0.69	0.77	0.87	0.95	1.02	0.58	0.67	0.75	0.84	0.92	0.99
EX2-002	1.1	0.83	0.96	1.07	1.20	1.31	1.42	0.81	0.94	1.05	1.17	1.28	1.38	0.78	0.90	1.01	1.13	1.23	1.33
EX2-003	2.0	1.51	1.74	1.95	2.18	2.39	2.58	1.48	1.71	1.91	2.14	2.34	2.53	1.42	1.64	1.83	2.05	2.25	2.43
EX2-004	2.7	2.04	2.36	2.63	2.94	3.23	3.48	2.00	2.31	2.58	2.89	3.16	3.42	1.92	2.22	2.48	2.77	3.14	3.28
EX2-M00	4.3	3.24	3.74	4.18	4.68	5.12	5.53	3.18	3.67	4.11	4.59	5.03	5.43	3.06	3.53	3.95	4.42	4.84	5.23

Valve Type	Nominal Rating	Evaporator Temperature																	
		0°F						-20°F						-40°F					
		Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
		60	80	100	125	150	175	80	100	125	150	175	200	80	100	125	150	175	200
EX2-00X	0.23	0.16	0.18	0.21	0.23	0.25	0.27	0.17	0.19	0.21	0.23	0.25	0.27	0.16	0.18	0.20	0.22	0.24	0.25
EX2-000	0.4	0.27	0.31	0.35	0.39	0.43	0.46	0.30	0.34	0.38	0.41	0.44	0.47	0.28	0.31	0.35	0.38	0.41	0.44
EX2-001	0.81	0.55	0.64	0.71	0.79	0.87	0.94	0.60	0.67	0.75	0.82	0.89	0.95	0.57	0.64	0.71	0.78	0.84	0.90
EX2-002	1.1	0.75	0.87	0.97	1.08	1.19	1.28	0.82	0.92	1.03	1.12	1.21	1.30	0.78	0.87	0.98	1.07	1.15	1.23
EX2-003	2.0	1.36	1.57	1.76	1.96	2.15	2.32	1.49	1.67	1.86	2.04	2.20	2.36	1.42	1.59	1.78	1.94	2.10	2.25
EX2-004	2.7	1.83	2.11	2.36	2.64	2.89	3.13	2.02	2.26	2.53	2.77	2.99	3.19	1.91	2.14	2.39	2.62	2.82	3.02
EX2-M00	4.3	2.92	3.37	3.77	4.21	4.82	4.99	3.21	3.59	4.01	4.40	4.75	5.08	3.05	3.41	3.81	4.18	4.51	4.82

R-502 Extended Capacities (Tons) - EX2 Series

Capacities are for EX2 @ 100% duty cycle

Valve Type	Nominal Rating	Evaporator Temperature																	
		50°F						40°F						20°F					
		Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
		60	80	100	125	150	175	60	80	100	125	150	175	60	80	100	125	150	175
EX2-000	0.4	0.21	0.24	0.27	0.30	0.33	0.36	0.20	0.23	0.26	0.29	0.32	0.34	0.19	0.22	0.25	0.27	0.30	0.32
EX2-001	0.81	0.42	0.48	0.54	0.61	0.66	0.72	0.41	0.47	0.53	0.59	0.65	0.70	0.39	0.46	0.50	0.56	0.62	0.67
EX2-002	1.1	0.56	0.65	0.72	0.81	0.89	0.96	0.55	0.64	0.71	0.79	0.87	0.94	0.53	0.61	0.68	0.75	0.84	0.91
EX2-003	2.0	1.03	1.19	1.33	1.49	1.63	1.76	1.00	1.15	1.29	1.44	1.58	1.71	0.96	1.11	1.24	1.39	1.52	1.64
EX2-004	2.7	1.39	1.61	1.79	2.01	2.20	2.37	1.36	1.57	1.76	1.96	2.15	2.32	1.29	1.49	1.67	1.86	2.04	2.20
EX2-M00	4.3	2.21	2.55	2.85	3.19	3.49	3.77	2.16	2.49	2.79	3.12	3.42	3.69	2.06	2.38	2.66	2.97	3.28	3.52

Valve Type	Nominal Rating	Evaporator Temperature																	
		0°F						-20°F						-40°F					
		Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
		60	80	100	125	150	175	80	100	125	150	175	200	80	100	125	150	175	200
EX2-000	0.4	0.18	0.21	0.23	0.26	0.28	0.31	0.20	0.22	0.25	0.27	0.30	0.32	0.19	0.21	0.24	0.26	0.28	0.30
EX2-001	0.81	0.37	0.43	0.48	0.53	0.59	0.63	0.40	0.45	0.50	0.55	0.59	0.63	0.38	0.42	0.48	0.52	0.56	0.60
EX2-002	1.1	0.50	0.58	0.65	0.72	0.79	0.85	0.55	0.61	0.69	0.75	0.81	0.87	0.51	0.57	0.64	0.70	0.75	0.81
EX2-003	2.0	0.91	1.05	1.17	1.31	1.44	1.55	0.99	1.11	1.24	1.36	1.46	1.57	0.93	1.04	1.16	1.27	1.38	1.47
EX2-004	2.7	1.23	1.42	1.59	1.78	1.94	2.10	1.34	1.50	1.66	1.83	1.98	2.12	1.26	1.41	1.58	1.73	1.86	1.99
EX2-M00	4.3	1.96	2.26	2.53	2.83	3.10	3.35	2.13	2.38	2.56	2.92	3.15	3.37	2.00	2.24	2.50	2.74	2.96	3.16

R-12 Extended Capacities (kWatts) - EX2 Series

Capacities are for EX2 @ 100% duty cycle

Valve Type	Nominal Rating	Evaporator Temperature																	
		10°C						0°C						-10°C					
		Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)					
		400	600	700	800	1000	1100	400	600	700	800	1000	1100	400	600	700	800	1000	1100
EX2-00X	0.23	0.50	0.61	0.66	0.70	0.70	0.82	0.50	0.61	0.66	0.70	0.78	0.82	0.46	0.56	0.61	0.65	0.73	0.76
EX2-000	0.4	0.85	1.04	1.12	1.20	1.34	1.41	0.85	1.04	1.12	1.20	1.34	1.41	0.81	1.00	1.08	1.15	1.29	1.35
EX2-001	0.81	1.73	2.12	2.29	2.45	2.74	2.88	1.70	2.08	2.25	2.40	2.69	2.82	1.63	1.99	2.15	2.30	2.57	2.70
EX2-002	1.1	2.37	2.90	3.14	3.35	3.75	3.93	2.30	2.82	3.04	3.25	3.64	3.82	2.23	2.73	2.95	3.15	3.53	3.70
EX2-003	2.0	4.28	5.25	5.67	6.06	6.77	7.10	4.21	5.16	5.57	5.96	6.66	6.99	4.04	4.94	5.34	5.71	6.38	6.69
EX2-004	2.7	5.77	7.07	7.63	8.16	9.12	9.57	5.66	6.34	7.49	8.01	8.96	9.39	5.45	6.68	7.21	7.71	8.62	9.04
EX2-M00	4.3	9.20	11.27	12.18	13.12	14.55	15.26	9.03	11.06	11.94	12.77	14.27	14.97	8.67	10.62	11.47	12.27	13.71	14.38

Valve Type	Nominal Rating	Evaporator Temperature																	
		-20°C						-30°C						-40°C					
		Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)					
		400	600	700	800	1000	1100	600	700	800	1000	1100	1200	600	700	800	1000	1100	1200
EX2-00X	0.23	0.46	0.56	0.61	0.65	0.73	0.76	0.50	0.81	0.66	0.70	0.78	0.82	0.39	0.48	0.52	0.55	0.62	0.65
EX2-000	0.4	0.78	0.95	1.03	1.10	1.23	1.29	0.85	1.04	1.12	1.20	1.34	1.41	0.71	0.87	0.94	1.00	1.12	1.17
EX2-001	0.81	1.58	1.91	2.06	2.20	2.46	2.58	1.70	2.08	2.25	2.40	2.69	2.82	1.42	1.73	1.87	2.00	2.24	2.35
EX2-002	1.1	2.12	2.60	2.81	3.00	3.36	3.52	2.34	2.86	3.09	3.30	3.69	3.87	1.91	2.34	2.53	2.70	3.02	3.17
EX2-003	2.0	3.86	4.73	5.10	5.46	6.10	6.40	4.25	5.20	5.62	6.01	6.72	7.04	3.47	4.25	4.59	4.91	5.49	5.75
EX2-004	2.7	5.20	6.37	6.88	7.36	8.23	8.63	4.96	6.07	6.56	7.01	7.84	8.22	4.71	5.77	6.23	6.66	7.44	7.81
EX2-M00	4.3	8.28	10.15	10.96	11.71	13.10	13.74	9.10	11.14	12.14	12.87	14.38	15.09	7.50	9.19	9.93	10.61	11.87	12.45

R-22 Extended Capacities (kWatts) - EX2 Series

Capacities are for EX2 @ 100% duty cycle

Valve Type	Nominal Rating	Evaporator Temperature																	
		10°C						0°C						-10°C					
		Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)					
		400	600	700	800	1000	1100	400	600	700	800	1000	1100	400	600	700	800	1000	1100
EX2-00X	0.23	0.64	0.78	0.84	0.90	1.01	1.06	0.64	0.78	0.84	0.90	1.01	1.06	0.60	0.74	0.80	0.85	0.95	1.00
EX2-000	0.4	1.10	1.34	1.45	1.55	1.74	1.82	1.10	1.34	1.45	1.55	1.74	1.82	1.06	1.30	1.40	1.50	1.68	1.76
EX2-001	0.81	2.27	2.77	3.00	3.20	3.58	3.76	2.23	2.73	2.95	3.15	3.53	3.70	2.16	2.64	2.86	3.05	3.41	3.58
EX2-002	1.1	3.04	3.73	4.03	4.31	4.81	5.05	3.01	3.69	3.98	4.26	4.76	4.99	2.94	3.60	3.89	4.16	4.65	4.87
EX2-003	2.0	5.56	6.81	7.35	7.86	8.79	9.22	5.49	6.72	7.26	7.76	8.68	9.10	5.35	6.55	7.07	7.56	8.45	8.86
EX2-004	2.7	7.50	9.19	9.93	10.81	11.87	12.45	7.43	9.10	9.83	10.51	11.75	12.33	7.22	8.84	9.55	10.21	11.42	11.38
EX2-M00	4.3	11.97	14.65	15.83	16.92	18.92	19.84	11.82	14.48	15.64	16.72	18.69	19.61	11.51	14.09	15.22	16.27	18.19	19.08

Valve Type	Nominal Rating	Evaporator Temperature																	
		-20°C						-30°C						-40°C					
		Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)					
		400	600	700	800	1000	1100	600	700	800	1000	1100	1200	600	700	800	1000	1100	1200
EX2-00X	0.23	0.60	0.74	0.80	0.85	0.95	1.00	0.67	0.73	0.78	0.91	0.91	0.95	0.64	0.69	0.74	0.82	0.86	0.90
EX2-000	0.4	1.03	1.26	1.36	1.45	1.62	1.70	1.17	1.26	1.35	1.58	1.58	1.65	1.13	1.22	1.31	1.46	1.53	1.60
EX2-001	0.81	2.12	2.60	2.81	3.00	3.36	3.52	2.37	2.56	2.74	3.21	3.21	3.35	2.27	2.45	2.62	2.92	3.07	3.20
EX2-002	1.1	2.87	3.51	3.79	4.06	4.53	4.76	3.19	3.44	3.68	4.31	4.31	4.51	3.08	3.33	3.56	3.98	4.17	4.36
EX2-003	2.0	5.20	6.37	6.88	7.36	8.23	8.63	5.81	6.27	6.70	7.86	7.86	8.21	5.63	6.08	6.50	7.27	7.62	7.96
EX2-004	2.7	7.04	8.63	9.32	9.96	11.14	11.68	7.86	8.49	9.07	10.64	10.64	11.11	7.58	8.18	8.75	9.78	10.26	10.71
EX2-M00	4.3	11.19	13.70	14.80	15.82	17.69	18.55	12.58	13.54	14.47	16.97	16.97	17.72	12.11	13.08	13.98	15.63	16.39	17.12

R-134a Extended Capacities (kWatts) - EX2 Series

Capacities are for EX2 @ 100% duty cycle

Valve Type	Nominal Rating	Evaporator Temperature																	
		10°C						0°C						-10°C					
		Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)					
		400	600	700	800	1000	1100	400	600	700	800	1000	1100	400	600	700	800	1000	1100
EX2-00X	0.23	0.60	0.74	0.80	0.85	0.95	1.00	0.60	0.74	0.80	0.85	0.95	1.00	0.57	0.69	0.75	0.80	0.90	0.94
EX2-000	0.4	1.06	1.30	1.40	1.50	1.68	1.76	1.03	1.26	1.36	1.45	1.62	1.70	0.99	1.21	1.31	1.40	1.57	1.64
EX2-001	0.81	2.06	2.64	2.86	3.05	3.41	3.58	2.09	2.56	2.76	2.95	3.30	3.46	2.02	2.47	2.67	2.85	3.19	3.35
EX2-002	1.1	2.90	3.56	3.84	4.11	4.59	4.81	2.87	3.51	3.79	4.06	4.53	4.76	2.73	3.34	3.61	3.85	4.31	4.52
EX2-003	2.0	5.49	6.72	7.26	7.76	8.68	9.10	5.38	6.59	7.12	7.61	8.51	8.92	5.20	6.37	6.88	7.36	8.23	8.63
EX2-004	2.7	7.15	8.76	9.46	10.11	11.31	11.86	7.01	8.58	9.27	9.91	11.08	11.62	5.73	8.24	8.90	9.51	10.63	11.15
EX2-M00	4.3	11.40	13.96	15.08	16.12	18.02	18.90	11.19	13.70	14.80	15.82	17.69	18.55	10.69	13.09	14.14	15.12	16.90	17.73

Valve Type	Nominal Rating	Evaporator Temperature																	
		-20°C						-30°C						-40°C					
		Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)					
		400	600	700	800	1000	1100	600	700	800	1000	1100	1200	600	700	800	1000	1100	1200
EX2-00X	0.23	0.53	0.65	0.70	0.75	0.84	0.88	0.60	0.65	0.69	0.78	0.81	0.85	0.57	0.61	0.65	0.73	0.77	0.80
EX2-000	0.4	0.96	1.17	1.26	1.35	1.51	1.59	1.03	1.11	1.19	1.33	1.39	1.45	0.99	1.07	1.14	1.28	1.34	1.40
EX2-001	0.81	1.91	2.34	2.53	2.70	3.02	3.17	2.09	2.26	2.41	2.70	2.83	2.95	1.98	2.14	2.29	2.56	2.68	2.80
EX2-002	1.1	2.62	3.21	3.47	3.70	4.14	4.34	2.87	3.10	3.31	3.70	3.88	4.06	2.69	2.91	3.11	3.47	3.64	3.80
EX2-003	2.0	4.39	6.11	6.60	7.06	7.89	8.28	5.52	5.96	6.38	7.13	7.48	7.81	5.27	5.70	6.09	6.81	7.14	7.46
EX2-004	2.7	6.41	7.85	8.48	9.06	10.13	10.63	7.01	7.57	8.09	9.05	9.49	9.91	6.66	7.19	7.68	8.59	9.01	9.41
EX2-M00	4.3	10.20	12.49	13.49	14.42	16.12	16.91	11.19	12.08	12.92	14.44	15.15	15.82	10.58	11.43	12.22	13.66	14.33	14.97

R-404A/507 Extended Capacities (kWatts) - EX2 Series

Capacities are for EX2 @ 100% duty cycle

Valve Type	Nominal Rating	Evaporator Temperature																	
		10°C						0°C						-10°C					
		Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)					
		400	600	700	800	1000	1100	400	600	700	800	1000	1100	400	600	700	800	1000	1100
EX2-00X	0.23	0.46	0.56	0.61	0.65	0.73	0.76	0.46	0.56	0.61	0.65	0.73	0.76	0.42	0.52	0.56	0.60	0.67	0.70
EX2-000	0.4	0.81	1.00	1.08	1.15	1.29	1.35	0.78	0.95	1.03	1.10	1.23	1.29	0.74	0.91	0.98	1.05	1.18	1.23
EX2-001	0.81	1.66	2.04	2.20	2.35	2.63	2.76	1.63	1.99	2.15	2.30	2.57	2.70	1.52	1.86	2.01	2.15	2.41	2.52
EX2-002	1.1	2.23	2.73	2.95	3.15	3.53	3.70	2.19	2.69	2.90	3.10	3.47	3.64	2.09	2.56	2.76	2.95	3.30	3.46
EX2-003	2.0	4.07	4.39	5.39	5.76	6.44	6.75	3.96	4.86	5.24	5.61	6.27	6.57	3.79	4.64	5.01	5.36	5.99	6.28
EX2-004	2.7	5.49	6.72	7.26	7.76	8.68	9.10	5.38	6.59	7.12	7.61	8.51	8.92	5.10	6.24	6.74	7.21	8.06	8.45
EX2-M00	4.3	8.74	10.71	11.57	12.37	13.83	14.50	8.57	10.49	11.33	12.12	13.55	14.21	8.14	9.97	10.77	11.51	12.87	13.50

Valve Type	Nominal Rating	Evaporator Temperature																	
		-20°C						-30°C						-40°C					
		Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)					
		400	600	700	800	1000	1100	600	700	800	1000	1100	1200	600	700	800	1000	1100	1200
EX2-00X	0.23	0.42	0.52	0.56	0.60	0.67	0.70	0.46	0.50	0.53	0.59	0.62	0.65	0.42	0.46	0.49	0.55	0.58	0.60
EX2-000	0.4	0.71	0.87	0.94	1.00	1.12	1.17	0.78	0.64	0.90	1.01	1.05	1.10	0.71	0.71	0.82	0.91	0.96	1.00
EX2-001	0.81	1.45	1.78	1.92	2.05	2.29	2.41	1.56	1.68	1.80	2.01	2.11	2.20	1.45	1.45	1.68	1.87	1.97	2.05
EX2-002	1.1	1.95	2.38	2.58	2.75	3.08	3.23	2.12	2.29	2.45	2.74	2.88	3.00	1.98	1.98	2.29	2.56	2.68	2.80
EX2-003	2.0	3.58	4.38	4.73	5.06	5.65	5.93	3.86	4.17	4.46	4.98	5.22	5.46	3.61	3.61	4.17	4.66	4.89	6.11
EX2-004	2.7	4.81	5.90	6.37	6.81	7.61	7.98	5.24	5.66	6.05	6.76	7.09	7.41	4.89	4.89	5.64	6.31	6.61	6.91
EX2-M00	4.3	7.68	9.41	10.16	10.86	12.15	12.74	8.32	8.99	9.61	10.74	11.26	11.76	7.75	7.75	8.95	10.01	10.50	10.96

R-407C Extended Capacities (kWatts) - EX2 Series

Capacities are for EX2 @ 100% duty cycle

Valve Type	Nominal Rating	Evaporator Temperature																	
		10°C						0°C						-10°C					
		Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)					
		400	600	700	800	1000	1100	400	600	700	800	1000	1100	400	600	700	800	1000	1100
EX2-00X	0.23	0.60	0.74	0.80	0.85	0.95	1.0	0.60	0.74	0.80	0.85	0.95	1.00	0.57	0.69	0.75	0.80	0.90	0.94
EX2-000	0.4	1.06	1.30	1.40	1.50	1.65	1.75	1.06	1.30	1.40	1.68	1.68	1.76	0.99	1.21	1.31	1.40	1.57	1.64
EX2-001	0.81	2.16	2.64	2.86	3.05	3.41	3.58	2.12	2.60	2.81	3.36	3.36	3.52	2.05	2.51	2.72	2.90	3.25	3.40
EX2-002	1.1	2.94	3.60	3.89	4.16	4.65	4.87	2.87	3.51	3.79	4.53	4.53	4.76	2.76	3.38	3.65	3.90	4.37	4.58
EX2-003	2.0	5.35	6.55	7.07	7.56	8.45	8.86	5.24	6.42	6.93	8.28	8.28	8.69	5.03	6.16	6.65	7.11	7.95	8.34
EX2-004	2.7	7.22	8.84	9.55	10.21	11.42	11.98	7.08	8.67	9.37	11.19	11.19	11.74	6.80	8.32	8.99	9.61	10.75	11.27
EX2-M00	4.3	11.47	14.05	15.17	16.22	18.14	19.02	11.26	13.79	14.89	17.80	17.80	18.67	10.83	13.27	14.33	15.32	17.13	17.96

Valve Type	Nominal Rating	Evaporator Temperature																	
		-20°C						-30°C						-40°C					
		Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)					
		400	600	700	800	1000	1100	600	700	800	1000	1100	1200	600	700	800	1000	1100	1200
EX2-00X	0.23	0.57	0.69	0.75	0.80	0.90	0.94	0.60	0.65	0.69	0.78	0.81	0.85	0.57	0.61	0.65	0.73	0.77	0.80
EX2-000	0.4	0.96	1.17	1.26	1.35	1.51	1.59	1.06	1.15	1.23	1.37	1.44	1.50	0.99	1.07	1.14	1.28	1.34	1.40
EX2-001	0.81	1.95	2.38	2.58	2.75	3.08	3.23	2.12	2.29	2.45	2.74	2.88	3.00	2.02	2.18	2.33	2.60	2.73	2.85
EX2-002	1.1	2.66	3.25	3.51	3.75	4.20	4.40	2.90	3.14	3.35	3.75	3.93	4.11	2.76	2.98	3.19	3.56	3.74	3.90
EX2-003	2.0	4.81	5.90	6.37	6.81	7.61	7.98	5.27	5.70	6.09	6.81	7.14	7.46	5.03	5.43	5.80	6.49	6.81	7.11
EX2-004	2.7	6.48	7.93	8.57	9.16	10.24	10.74	7.15	7.72	8.26	9.23	9.68	10.11	6.76	7.30	7.81	8.73	9.15	9.56
EX2-M00	4.3	10.34	12.66	13.67	14.62	16.34	17.14	11.36	12.27	13.12	14.67	15.39	16.07	10.80	11.66	12.47	13.94	14.62	15.27

R-502 Extended Capacities (kWatts) - EX2 Series

Capacities are for EX2 @ 100% duty cycle

Valve Type	Nominal Rating	Evaporator Temperature																	
		10°C						0°C						-10°C					
		Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)					
		400	600	700	800	1000	1100	400	600	700	800	1000	1100	400	600	700	800	1000	1100
EX2-00X	0.23	0.42	0.52	0.56	0.60	0.67	0.70	0.42	0.52	0.56	0.60	0.67	0.70	0.39	0.48	0.52	0.55	0.62	0.65
EX2-000	0.4	0.74	0.91	0.98	1.05	1.18	1.23	0.71	0.87	0.94	1.00	1.00	1.17	0.67	0.82	0.89	0.95	1.06	1.12
EX2-001	0.81	1.49	1.82	1.97	2.10	2.35	2.47	1.45	1.78	1.92	2.05	2.05	2.41	1.38	1.69	1.83	1.95	2.18	2.29
EX2-002	1.1	1.98	2.43	2.62	2.80	3.13	3.29	1.95	2.38	2.58	2.75	2.75	3.23	1.88	2.30	2.48	2.65	2.97	3.11
EX2-003	2.0	3.55	4.47	4.82	5.16	5.77	6.05	3.54	4.34	4.68	5.01	5.01	5.87	3.40	4.16	4.50	4.81	5.37	5.64
EX2-004	2.7	4.92	6.03	6.51	6.96	7.78	8.16	4.81	5.90	5.37	6.81	6.81	7.98	4.57	5.59	6.04	6.46	7.22	7.57
EX2-M00	4.3	7.82	9.58	10.35	11.06	12.37	12.97	7.65	9.36	10.12	10.81	10.81	12.68	7.29	8.93	9.65	10.31	11.53	12.09

Valve Type	Nominal Rating	Evaporator Temperature																	
		-20°C						-30°C						-40°C					
		Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)						Pressure Drop Across Valve (kPa)					
		400	600	700	800	1000	1100	600	700	800	1000	1100	1200	600	700	800	1000	1100	1200
EX2-00X	0.23	0.35	0.43	0.47	0.50	0.56	0.59	0.93	0.42	0.45	0.50	0.50	0.55	0.39	0.42	0.45	0.50	0.53	0.55
EX2-000	0.4	0.64	0.78	0.84	0.90	1.01	1.06	0.71	0.76	0.82	0.91	0.91	1.00	0.67	0.73	0.78	0.87	0.91	0.95
EX2-001	0.81	1.31	1.60	1.73	1.85	2.07	2.17	1.42	1.53	1.64	1.83	1.83	2.00	1.35	1.45	1.55	1.74	1.82	1.90
EX2-002	1.1	1.77	2.17	2.34	2.50	2.80	2.94	1.95	2.10	2.25	2.51	2.51	2.75	1.81	1.95	2.08	2.33	2.44	2.55
EX2-003	2.0	3.22	3.95	4.26	4.56	5.09	5.34	3.50	3.79	4.05	4.52	4.52	4.96	3.29	3.56	3.80	4.25	4.46	4.66
EX2-004	2.7	4.35	5.33	5.76	6.16	6.88	7.22	4.74	5.12	5.48	6.12	6.12	5.71	4.46	4.82	5.15	5.76	6.04	6.31
EX2-M00	4.3	6.94	8.50	9.18	9.81	10.97	11.51	7.54	8.14	8.71	9.73	9.73	10.66	7.08	7.65	8.18	9.14	9.59	10.01

R-22 Extended Capacities (Tons) - EX3 Series

Valve Type	Evaporator Temperature																	
	50°F						40°F						20°F					
	Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
	60	80	100	125	150	175	60	80	100	125	150	175	60	80	100	125	150	175
EX3-2000	0.32	0.36	0.41	0.46	0.50	0.54	0.31	0.36	0.40	0.45	0.49	0.53	0.30	0.35	0.39	0.44	0.48	0.52
EX3-3000	0.66	0.76	0.85	0.95	1.04	1.13	0.65	0.75	0.84	0.94	1.03	1.12	0.64	0.73	0.82	0.92	1.01	1.09
EX3-4000	1.06	1.23	1.37	1.54	1.68	1.82	1.05	1.21	1.36	1.52	1.66	1.80	1.02	1.18	1.32	1.48	1.62	1.75
EX3-5000	1.72	1.99	2.23	2.49	2.73	2.95	1.70	1.97	2.20	2.46	2.69	2.91	1.66	1.92	2.14	2.40	2.62	2.84
EX3-6000	2.79	3.22	3.60	4.02	4.41	4.76	2.76	3.18	3.56	3.98	4.36	4.71	2.68	3.10	3.47	3.87	4.24	4.58
EX3-7000	3.53	4.08	4.56	5.10	5.59	6.04	3.49	4.03	4.51	5.04	5.52	5.96	3.40	3.93	4.39	4.91	5.38	5.81
EX3-8000	3.94	4.55	5.08	5.68	6.23	6.72	3.89	4.49	5.02	5.62	6.15	6.64	3.79	4.38	4.89	5.47	5.99	6.47
EX3-9000	5.03	5.81	6.49	7.26	7.95	8.59	4.97	5.74	6.42	7.17	7.86	8.49	4.84	5.59	6.25	6.99	7.65	8.27

Valve Type	Evaporator Temperature																	
	0°F						-20°F						-40°F					
	Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
	60	80	100	125	150	175	80	100	125	150	175	200	80	100	125	150	175	200
EX3-2000	0.29	0.34	0.38	0.43	0.47	0.50	0.33	0.37	0.41	0.45	0.49	0.52	0.32	0.36	0.40	0.44	0.47	0.50
EX3-3000	0.62	0.71	0.80	0.89	0.98	1.05	0.69	0.77	0.86	0.95	1.02	1.09	0.67	0.75	0.83	0.91	0.99	1.05
EX3-4000	0.99	1.15	1.28	1.44	1.57	1.70	1.11	1.24	1.39	1.52	1.64	1.76	1.07	1.20	1.34	1.47	1.59	1.70
EX3-5000	1.61	1.86	2.08	2.33	2.55	2.75	1.80	2.01	2.25	2.47	2.67	2.85	1.74	1.95	2.17	2.38	2.57	2.75
EX3-6000	2.61	3.01	3.36	3.76	4.12	4.45	2.91	3.26	3.64	3.99	4.31	4.61	2.81	3.15	3.52	3.85	4.16	4.45
EX3-7000	3.30	3.81	4.27	4.77	5.22	5.64	3.69	4.13	4.62	5.06	5.46	5.84	3.57	3.99	4.46	4.88	5.27	5.64
EX3-8000	3.68	4.25	4.75	5.31	5.82	6.29	4.11	4.60	5.14	5.63	6.09	6.51	3.97	4.44	4.97	5.44	5.88	6.28
EX3-9000	4.70	5.43	6.07	6.78	7.43	8.03	5.26	5.88	6.57	7.20	7.77	8.31	5.07	5.67	6.34	6.95	7.50	8.02

Refrigerant Liquid Correction Factor															
Liquid Line Temp, °F	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
Capacity Multiplier (R-22)	1.54	1.49	1.43	1.38	1.33	1.27	1.22	1.17	1.11	1.06	1.00	0.94	0.89	0.83	0.77
Capacity Multiplier (R-134a)	1.64	1.58	1.51	1.45	1.39	1.32	1.26	1.19	1.13	1.07	1.00	0.93	0.87	0.80	0.73
Capacity Multiplier (R-404A)	1.92	1.83	1.74	1.65	1.56	1.47	1.38	1.29	1.19	1.10	1.00	0.90	0.80	0.69	0.58
Capacity Multiplier (R-407F)	1.68	1.62	1.55	1.48	1.42	1.35	1.28	1.21	1.14	1.07	1.00	0.93	0.85	0.78	0.70
Capacity Multiplier (R-507)	1.87	1.78	1.70	1.61	1.53	1.44	1.36	1.27	1.18	1.09	1.00	0.91	0.81	0.71	0.60

R-134a Extended Capacities (Tons) - EX3 Series

Valve Type	Evaporator Temperature																	
	50°F						40°F						20°F					
	Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
	60	80	100	125	150	175	60	80	100	125	150	175	60	80	100	125	150	175
EX3-2000	0.30	0.34	0.38	0.43	0.47	0.51	0.29	0.34	0.38	0.42	0.46	0.50	0.28	0.32	0.36	0.40	0.44	0.47
EX3-3000	0.62	0.72	0.80	0.90	0.98	1.06	0.61	0.70	0.78	0.88	0.96	1.04	0.58	0.67	0.75	0.84	0.92	0.99
EX3-4000	1.00	1.15	1.29	1.44	1.58	1.71	0.98	1.13	1.26	1.41	1.55	1.67	0.93	1.08	1.21	1.35	1.48	1.60
EX3-5000	1.62	1.87	2.09	2.34	2.56	2.77	1.59	1.83	2.05	2.29	2.51	2.71	1.52	1.75	1.96	2.19	2.40	2.59
EX3-6000	2.62	3.02	3.38	3.78	4.14	4.47	2.56	2.96	3.31	3.70	4.06	4.38	2.45	2.83	3.17	3.54	3.88	4.19
EX3-7000	3.32	3.83	4.29	4.79	5.25	5.67	3.25	3.75	4.20	4.69	5.14	5.55	3.11	3.59	4.01	4.49	4.92	5.31
EX3-8000	3.70	4.27	4.78	5.34	5.85	6.32	3.62	4.18	4.68	5.23	5.73	6.19	3.46	4.00	4.47	5.00	5.48	5.91
EX3-9000	4.73	5.46	6.10	6.82	7.47	8.07	4.63	5.34	5.97	6.68	7.32	7.90	4.42	5.11	5.71	6.39	7.00	7.56

Valve Type	Evaporator Temperature																	
	0°F						-20°F						-40°F					
	Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
	60	80	100	125	150	175	80	100	125	150	175	200	80	100	125	150	175	200
EX3-2000	0.26	0.31	0.34	0.38	0.42	0.45	0.29	0.32	0.36	0.40	0.43	0.46	0.27	0.31	0.34	0.38	0.41	0.43
EX3-3000	0.55	0.64	0.71	0.80	0.87	0.94	0.61	0.68	0.76	0.83	0.90	0.96	0.57	0.64	0.72	0.78	0.85	0.91
EX3-4000	0.89	1.03	1.15	1.28	1.41	1.52	0.98	1.09	1.22	1.34	1.44	1.54	0.92	1.03	1.15	1.26	1.36	1.46
EX3-5000	1.45	1.67	1.87	2.09	2.29	2.47	1.58	1.77	1.98	2.17	2.34	2.50	1.50	1.67	1.87	2.05	2.21	2.37
EX3-6000	2.34	2.70	3.01	3.37	3.69	3.99	2.56	2.86	3.20	3.50	3.78	4.05	2.42	2.70	3.02	3.31	3.58	3.82
EX3-7000	2.96	3.42	3.82	4.27	4.68	5.06	3.24	3.63	4.05	4.44	4.80	5.13	3.07	3.43	3.83	4.20	4.53	4.85
EX3-8000	3.30	3.81	4.26	4.76	5.21	5.63	3.61	4.04	4.52	4.95	5.34	5.71	3.42	3.82	4.27	4.68	5.05	5.40
EX3-9000	4.21	4.87	5.44	6.08	6.66	7.20	4.62	5.16	5.77	6.32	6.83	7.30	4.36	4.88	5.45	5.97	6.45	6.90

Refrigerant Liquid Correction Factor															
Liquid Line Temp, °F	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
Capacity Multiplier (R-22)	1.54	1.49	1.43	1.38	1.33	1.27	1.22	1.17	1.11	1.06	1.00	0.94	0.89	0.83	0.77
Capacity Multiplier (R-134a)	1.64	1.58	1.51	1.45	1.39	1.32	1.26	1.19	1.13	1.07	1.00	0.93	0.87	0.80	0.73
Capacity Multiplier (R-404A)	1.92	1.83	1.74	1.65	1.56	1.47	1.38	1.29	1.19	1.10	1.00	0.90	0.80	0.69	0.58
Capacity Multiplier (R-407F)	1.68	1.62	1.55	1.48	1.42	1.35	1.28	1.21	1.14	1.07	1.00	0.93	0.85	0.78	0.70
Capacity Multiplier (R-507)	1.87	1.78	1.70	1.61	1.53	1.44	1.36	1.27	1.18	1.09	1.00	0.91	0.81	0.71	0.60

R-404A Extended Capacities (Tons) - EX3 Series

Valve Type	Evaporator Temperature																	
	50°F						40°F						20°F					
	Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
	60	80	100	125	150	175	60	80	100	125	150	175	60	80	100	125	150	175
EX3-2000	0.20	0.23	0.26	0.29	0.32	0.35	0.20	0.23	0.26	0.29	0.31	0.34	0.19	0.22	0.24	0.27	0.30	0.32
EX3-3000	0.42	0.49	0.55	0.61	0.67	0.72	0.41	0.48	0.53	0.60	0.65	0.71	0.39	0.45	0.51	0.57	0.62	0.67
EX3-4000	0.68	0.79	0.88	0.98	1.08	1.16	0.67	0.77	0.86	0.96	1.05	1.14	0.63	0.73	0.82	0.91	1.00	1.08
EX3-5000	1.10	1.28	1.43	1.59	1.75	1.89	1.08	1.25	1.39	1.56	1.71	1.84	1.03	1.18	1.32	1.48	1.62	1.75
EX3-6000	1.79	2.06	2.30	2.58	2.82	3.05	1.74	2.01	2.25	2.52	2.76	2.98	1.66	1.91	2.14	2.39	2.62	2.83
EX3-7000	2.26	2.61	2.92	3.27	3.58	3.87	2.21	2.55	2.86	3.19	3.50	3.78	2.10	2.43	2.71	3.03	3.32	3.59
EX3-8000	2.52	2.91	3.25	3.64	3.99	4.31	2.46	2.85	3.18	3.56	3.90	4.21	2.34	2.70	3.02	3.38	3.70	4.00
EX3-9000	3.22	3.72	4.16	4.65	5.09	5.50	3.15	3.63	4.06	4.54	4.98	5.38	2.99	3.45	3.86	4.32	4.73	5.11

Valve Type	Evaporator Temperature																	
	0°F						-20°F						-40°F					
	Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
	60	80	100	125	150	175	80	100	125	150	175	200	80	100	125	150	175	200
EX3-2000	0.18	0.20	0.23	0.26	0.28	0.30	0.19	0.21	0.24	0.26	0.28	0.30	0.18	0.20	0.22	0.24	0.26	0.28
EX3-3000	0.37	0.43	0.48	0.54	0.59	0.63	0.40	0.45	0.50	0.55	0.59	0.63	0.37	0.42	0.47	0.51	0.55	0.59
EX3-4000	0.60	0.69	0.77	0.86	0.94	1.02	0.65	0.72	0.81	0.88	0.95	1.02	0.60	0.67	0.75	0.82	0.89	0.95
EX3-5000	0.97	1.12	1.25	1.40	1.53	1.65	1.05	1.17	1.31	1.43	1.55	1.65	0.97	1.09	1.22	1.33	1.44	1.54
EX3-6000	1.56	1.81	2.02	2.26	2.47	2.67	1.69	1.89	2.11	2.32	2.50	2.67	1.57	1.76	1.97	2.15	2.33	2.49
EX3-7000	1.98	2.29	2.56	2.86	3.13	3.39	2.14	2.40	2.68	2.94	3.17	3.39	1.99	2.23	2.49	2.73	2.95	3.15
EX3-8000	2.21	2.55	2.85	3.19	3.49	3.77	2.39	2.67	2.99	3.27	3.53	3.78	2.22	2.48	2.78	3.04	3.29	3.51
EX3-9000	2.82	3.26	3.64	4.07	4.46	4.82	3.05	3.41	3.81	4.18	4.51	4.82	2.84	3.17	3.55	3.89	4.20	4.49

Refrigerant Liquid Correction Factor															
Liquid Line Temp, °F	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
Capacity Multiplier (R-22)	1.54	1.49	1.43	1.38	1.33	1.27	1.22	1.17	1.11	1.06	1.00	0.94	0.89	0.83	0.77
Capacity Multiplier (R-134a)	1.64	1.58	1.51	1.45	1.39	1.32	1.26	1.19	1.13	1.07	1.00	0.93	0.87	0.80	0.73
Capacity Multiplier (R-404A)	1.92	1.83	1.74	1.65	1.56	1.47	1.38	1.29	1.19	1.10	1.00	0.90	0.80	0.69	0.58
Capacity Multiplier (R-407F)	1.68	1.62	1.55	1.48	1.42	1.35	1.28	1.21	1.14	1.07	1.00	0.93	0.85	0.78	0.70
Capacity Multiplier (R-507)	1.87	1.78	1.70	1.61	1.53	1.44	1.36	1.27	1.18	1.09	1.00	0.91	0.81	0.71	0.60

R-407F Extended Capacities (Tons) - EX3 Series

Valve Type	Evaporator Temperature																	
	50°F						40°F						20°F					
	Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
	60	80	100	125	150	175	60	80	100	125	150	175	60	80	100	125	150	175
EX3-2000	0.30	0.35	0.39	0.43	0.47	0.51	0.30	0.34	0.38	0.43	0.47	0.50	0.29	0.33	0.37	0.41	0.45	0.49
EX3-3000	0.63	0.72	0.81	0.90	0.99	1.07	0.62	0.71	0.80	0.89	0.98	1.05	0.60	0.69	0.77	0.86	0.95	1.02
EX3-4000	1.01	1.16	1.30	1.45	1.59	1.72	0.99	1.15	1.28	1.43	1.57	1.70	0.96	1.11	1.24	1.39	1.52	1.64
EX3-5000	1.63	1.89	2.11	2.36	2.58	2.79	1.61	1.86	2.08	2.32	2.55	2.75	1.56	1.80	2.01	2.25	2.47	2.66
EX3-6000	2.64	3.05	3.41	3.81	4.18	4.51	2.60	3.01	3.36	3.76	4.12	4.45	2.52	2.91	3.26	3.64	3.99	4.31
EX3-7000	3.35	3.87	4.32	4.84	5.30	5.72	3.30	3.81	4.26	4.77	5.22	5.64	3.20	3.69	4.13	4.62	5.06	5.46
EX3-8000	3.73	4.31	4.82	5.39	5.90	6.37	3.68	4.25	4.75	5.31	5.82	6.28	3.56	4.11	4.60	5.14	5.63	6.08
EX3-9000	4.77	5.50	6.15	6.88	7.54	8.14	4.70	5.43	6.07	6.78	7.43	8.03	4.55	5.25	5.87	6.57	7.19	7.77

Valve Type	Evaporator Temperature																	
	0°F						-20°F						-40°F					
	Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
	60	80	100	125	150	175	80	100	125	150	175	200	80	100	125	150	175	200
EX3-2000	0.28	0.32	0.36	0.40	0.44	0.47	0.31	0.34	0.38	0.42	0.45	0.48	0.29	0.33	0.37	0.40	0.43	0.46
EX3-3000	0.58	0.67	0.74	0.83	0.91	0.98	0.64	0.71	0.80	0.87	0.94	1.01	0.61	0.68	0.76	0.84	0.90	0.97
EX3-4000	0.93	1.07	1.20	1.34	1.47	1.58	1.03	1.15	1.28	1.41	1.52	1.62	0.98	1.10	1.23	1.35	1.45	1.55
EX3-5000	1.50	1.74	1.94	2.17	2.38	2.57	1.67	1.86	2.08	2.28	2.46	2.63	1.59	1.78	1.99	2.18	2.36	2.52
EX3-6000	2.43	2.81	3.14	3.51	3.84	4.15	2.70	3.01	3.37	3.69	3.99	4.26	2.58	2.88	3.22	3.53	3.81	4.08
EX3-7000	3.08	3.56	3.98	4.45	4.87	5.26	3.42	3.82	4.27	4.68	5.05	5.40	3.27	3.65	4.08	4.47	4.83	5.17
EX3-8000	3.43	3.96	4.43	4.95	5.43	5.86	3.81	4.25	4.76	5.21	5.63	6.02	3.64	4.07	4.55	4.98	5.38	5.75
EX3-9000	4.39	5.06	5.66	6.33	6.93	7.49	4.86	5.44	6.08	6.66	7.19	7.69	4.65	5.20	5.81	6.37	6.88	7.35

Refrigerant Liquid Correction Factor															
Liquid Line Temp, °F	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
Capacity Multiplier (R-22)	1.54	1.49	1.43	1.38	1.33	1.27	1.22	1.17	1.11	1.06	1.00	0.94	0.89	0.83	0.77
Capacity Multiplier (R-134a)	1.64	1.58	1.51	1.45	1.39	1.32	1.26	1.19	1.13	1.07	1.00	0.93	0.87	0.80	0.73
Capacity Multiplier (R-404A)	1.92	1.83	1.74	1.65	1.56	1.47	1.38	1.29	1.19	1.10	1.00	0.90	0.80	0.69	0.58
Capacity Multiplier (R-407F)	1.68	1.62	1.55	1.48	1.42	1.35	1.28	1.21	1.14	1.07	1.00	0.93	0.85	0.78	0.70
Capacity Multiplier (R-507)	1.87	1.78	1.70	1.61	1.53	1.44	1.36	1.27	1.18	1.09	1.00	0.91	0.81	0.71	0.60

R-507 Extended Capacities (Tons) - EX3 Series

Valve Type	Evaporator Temperature																	
	50°F						40°F						20°F					
	Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
	60	80	100	125	150	175	60	80	100	125	150	175	60	80	100	125	150	175
EX3-2000	0.20	0.23	0.26	0.29	0.31	0.34	0.19	0.22	0.25	0.28	0.31	0.33	0.18	0.21	0.24	0.26	0.29	0.31
EX3-3000	0.41	0.48	0.53	0.60	0.65	0.71	0.40	0.47	0.52	0.58	0.64	0.69	0.38	0.44	0.50	0.55	0.61	0.66
EX3-4000	0.67	0.77	0.86	0.96	1.05	1.14	0.65	0.75	0.84	0.94	1.03	1.11	0.62	0.71	0.80	0.89	0.98	1.06
EX3-5000	1.08	1.25	1.39	1.56	1.71	1.84	1.06	1.22	1.36	1.52	1.67	1.80	1.00	1.16	1.29	1.45	1.58	1.71
EX3-6000	1.75	2.02	2.25	2.52	2.76	2.98	1.71	1.97	2.20	2.46	2.70	2.91	1.62	1.87	2.09	2.34	2.56	2.77
EX3-7000	2.22	2.56	2.86	3.20	3.50	3.78	2.16	2.50	2.79	3.12	3.42	3.70	2.05	2.37	2.65	2.96	3.25	3.51
EX3-8000	2.47	2.85	3.19	3.56	3.90	4.21	2.41	2.78	3.11	3.48	3.81	4.12	2.29	2.64	2.95	3.30	3.62	3.91
EX3-9000	3.15	3.64	4.07	4.55	4.98	5.38	3.08	3.56	3.98	4.45	4.87	5.26	2.92	3.38	3.77	4.22	4.62	4.99

Valve Type	Evaporator Temperature																	
	0°F						-20°F						-40°F					
	Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)						Pressure Drop Across Valve (PSI)					
	60	80	100	125	150	175	80	100	125	150	175	200	80	100	125	150	175	200
EX3-2000	0.17	0.20	0.22	0.25	0.27	0.29	0.19	0.21	0.23	0.26	0.28	0.29	0.17	0.19	0.22	0.24	0.26	0.27
EX3-3000	0.36	0.42	0.47	0.52	0.57	0.62	0.39	0.44	0.49	0.53	0.58	0.62	0.36	0.40	0.45	0.50	0.54	0.57
EX3-4000	0.58	0.67	0.75	0.84	0.92	0.99	0.63	0.70	0.79	0.86	0.93	0.99	0.58	0.65	0.73	0.80	0.86	0.92
EX3-5000	0.94	1.09	1.22	1.36	1.49	1.61	1.02	1.14	1.27	1.39	1.51	1.61	0.95	1.06	1.18	1.29	1.40	1.49
EX3-6000	1.53	1.76	1.97	2.20	2.41	2.61	1.65	1.84	2.06	2.26	2.44	2.60	1.53	1.71	1.91	2.09	2.26	2.42
EX3-7000	1.93	2.23	2.50	2.79	3.06	3.30	2.09	2.34	2.61	2.86	3.09	3.30	1.94	2.17	2.42	2.66	2.87	3.07
EX3-8000	2.16	2.49	2.78	3.11	3.41	3.68	2.33	2.60	2.91	3.19	3.44	3.68	2.16	2.42	2.70	2.96	3.19	3.42
EX3-9000	2.75	3.18	3.55	3.97	4.35	4.70	2.97	3.32	3.72	4.07	4.40	4.70	2.76	3.09	3.45	3.78	4.08	4.36

Refrigerant Liquid Correction Factor															
Liquid Line Temp, °F	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
Capacity Multiplier (R-22)	1.54	1.49	1.43	1.38	1.33	1.27	1.22	1.17	1.11	1.06	1.00	0.94	0.89	0.83	0.77
Capacity Multiplier (R-134a)	1.64	1.58	1.51	1.45	1.39	1.32	1.26	1.19	1.13	1.07	1.00	0.93	0.87	0.80	0.73
Capacity Multiplier (R-404A)	1.92	1.83	1.74	1.65	1.56	1.47	1.38	1.29	1.19	1.10	1.00	0.90	0.80	0.69	0.58
Capacity Multiplier (R-407F)	1.68	1.62	1.55	1.48	1.42	1.35	1.28	1.21	1.14	1.07	1.00	0.93	0.85	0.78	0.70
Capacity Multiplier (R-507)	1.87	1.78	1.70	1.61	1.53	1.44	1.36	1.27	1.18	1.09	1.00	0.91	0.81	0.71	0.60

R-22 Extended Capacities (kWatts) - EX3 Series

Valve Type	Condensing Temperature (°C)	Evaporating Temperature (°C)												
		15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX3-2000	30	0.93	1.10	1.22	1.32	1.39	1.45	1.49	1.52	1.54	1.55	1.56	1.56	1.55
EX3-3000		1.93	2.29	2.55	2.75	2.91	3.03	3.11	3.18	3.22	3.24	3.25	3.25	3.24
EX3-4000		3.11	3.69	4.11	4.43	4.68	4.87	5.01	5.11	5.18	5.22	5.23	5.23	5.21
EX3-5000		5.05	5.98	6.66	7.19	7.59	7.89	8.12	8.28	8.40	8.46	8.49	8.48	8.45
EX3-6000		8.16	9.66	10.77	11.62	12.27	12.76	13.13	13.39	13.57	13.68	13.72	13.71	13.66
EX3-7000		10.34	12.25	13.66	14.73	15.55	16.18	16.65	16.98	17.21	17.34	17.40	17.39	17.33
EX3-8000		11.52	13.65	15.22	16.41	17.32	18.02	18.54	18.92	19.17	19.32	19.38	19.37	19.30
EX3-9000		14.72	17.43	19.44	20.96	22.13	23.02	23.68	24.16	24.49	24.68	24.76	24.74	24.65
EX3-2000	25	0.62	0.88	1.05	1.18	1.27	1.34	1.40	1.44	1.47	1.48	1.50	1.50	1.50
EX3-3000		1.30	1.84	2.20	2.46	2.66	2.81	2.92	3.00	3.06	3.10	3.13	3.14	3.13
EX3-4000		2.09	2.96	3.54	3.96	4.27	4.52	4.70	4.83	4.93	4.99	5.03	5.04	5.04
EX3-5000		3.40	4.80	5.73	6.42	6.93	7.32	7.62	7.84	7.99	8.10	8.16	8.18	8.17
EX3-6000		5.49	7.76	9.27	10.37	11.20	11.84	12.32	12.67	12.92	13.09	13.19	13.22	13.21
EX3-7000		6.96	9.84	11.76	13.15	14.21	15.01	15.62	16.07	16.38	16.60	16.72	16.77	16.75
EX3-8000		7.75	10.96	13.09	14.65	15.83	16.72	17.39	17.89	18.25	18.49	18.62	18.67	18.66
EX3-9000		9.90	14.00	16.73	18.71	20.21	21.36	22.22	22.86	23.31	23.61	23.79	23.85	23.83
EX3-2000	20		0.56	0.83	1.00	1.12	1.22	1.29	1.34	1.38	1.40	1.42	1.43	1.44
EX3-3000			1.17	1.73	2.09	2.35	2.54	2.69	2.80	2.88	2.94	2.97	2.99	3.00
EX3-4000			1.88	2.78	3.36	3.78	4.09	4.33	4.50	4.63	4.72	4.78	4.82	4.83
EX3-5000			3.05	4.51	5.45	6.13	6.63	7.01	7.30	7.51	7.66	7.75	7.81	7.83
EX3-6000			4.93	7.29	8.81	9.90	10.72	11.34	11.80	12.14	12.38	12.54	12.62	12.65
EX3-7000			6.26	9.24	11.17	12.56	13.60	14.38	14.97	15.40	15.70	15.90	16.01	16.05
EX3-8000			6.97	10.30	12.44	13.99	15.14	16.02	16.67	17.15	17.49	17.71	17.83	17.87
EX3-9000			8.90	13.15	15.89	17.87	19.34	20.46	21.29	21.90	22.34	22.62	22.78	22.83
EX3-2000	15			0.48	0.76	0.94	1.06	1.15	1.22	1.27	1.31	1.34	1.35	1.36
EX3-3000				1.01	1.60	1.96	2.22	2.41	2.55	2.66	2.74	2.79	2.83	2.84
EX3-4000				1.62	2.57	3.16	3.57	3.88	4.11	4.28	4.40	4.49	4.55	4.58
EX3-5000				2.63	4.17	5.12	5.79	6.29	6.66	6.94	7.14	7.28	7.37	7.42
EX3-6000				4.25	6.74	8.28	9.37	10.17	10.77	11.22	11.55	11.77	11.92	12.00
EX3-7000				5.40	8.55	10.50	11.88	12.90	13.66	14.23	14.64	14.93	15.11	15.21
EX3-8000				6.01	9.52	11.69	13.23	14.37	15.22	15.85	16.31	16.63	16.83	16.95
EX3-9000				7.68	12.16	14.94	16.90	18.35	19.44	20.24	20.83	21.24	21.50	21.65
EX3-2000	10				0.38	0.69	0.87	0.99	1.08	1.15	1.20	1.23	1.26	1.27
EX3-3000					0.80	1.45	1.82	2.08	2.27	2.40	2.51	2.58	2.63	2.66
EX3-4000					1.29	2.33	2.93	3.34	3.64	3.87	4.03	4.15	4.23	4.29
EX3-5000					2.10	3.77	4.74	5.42	5.91	6.27	6.54	6.73	6.87	6.95
EX3-6000					3.39	6.10	7.67	8.76	9.55	10.14	10.57	10.89	11.10	11.24
EX3-7000					4.29	7.74	9.73	11.11	12.11	12.86	13.41	13.80	14.08	14.25
EX3-8000					4.78	8.62	10.83	12.37	13.49	14.32	14.93	15.37	15.68	15.87
EX3-9000					6.11	11.01	13.84	15.80	17.24	18.30	19.08	19.64	20.03	20.27

R-22 Extended Capacities (kWatts) - EX3 Series

Valve Type	Condensing Temperature (°C)	Evaporating Temperature (°C)												
		15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX3-2000	60	1.61	1.65	1.67	1.69	1.70	1.71	1.70	1.69	1.68	1.66	1.64	1.62	1.59
EX3-3000		3.36	3.44	3.50	3.54	3.56	3.57	3.56	3.54	3.52	3.48	3.44	3.39	3.33
EX3-4000		5.41	5.54	5.63	5.69	5.72	5.74	5.73	5.70	5.66	5.60	5.53	5.45	5.36
EX3-5000		8.78	8.98	9.13	9.23	9.28	9.30	9.29	9.24	9.17	9.08	8.97	8.84	8.70
EX3-6000		14.19	14.52	14.76	14.92	15.01	15.04	15.01	14.94	14.83	14.68	14.50	14.29	14.06
EX3-7000		17.99	18.41	18.71	18.92	19.03	19.07	19.04	18.95	18.80	18.62	18.39	18.12	17.83
EX3-8000		20.04	20.51	20.84	21.07	21.20	21.24	21.20	21.10	20.94	20.73	20.48	20.19	19.86
EX3-9000		25.60	26.19	26.62	26.91	27.08	27.13	27.08	26.96	26.75	26.49	26.16	25.79	25.37
EX3-2000	55	1.57	1.62	1.65	1.68	1.70	1.70	1.71	1.70	1.70	1.68	1.67	1.65	1.62
EX3-3000		3.28	3.38	3.45	3.51	3.54	3.56	3.57	3.56	3.55	3.52	3.48	3.44	3.39
EX3-4000		5.27	5.43	5.56	5.64	5.70	5.73	5.74	5.73	5.70	5.66	5.60	5.53	5.46
EX3-5000		8.55	8.81	9.01	9.15	9.25	9.30	9.31	9.30	9.25	9.18	9.09	8.97	8.85
EX3-6000		13.82	14.25	14.57	14.80	14.95	15.03	15.06	15.03	14.95	14.84	14.69	14.51	14.30
EX3-7000		17.52	18.06	18.47	18.76	18.96	19.06	19.09	19.06	18.96	18.82	18.63	18.40	18.14
EX3-8000		19.51	20.12	20.57	20.90	21.12	21.23	21.27	21.23	21.12	20.96	20.75	20.49	20.20
EX3-9000		24.93	25.70	26.28	26.70	26.97	27.12	27.16	27.11	26.98	26.77	26.50	26.18	25.80
EX3-2000	50	1.50	1.56	1.61	1.65	1.67	1.69	1.70	1.70	1.69	1.68	1.67	1.65	1.63
EX3-3000		3.14	3.27	3.37	3.44	3.49	3.53	3.55	3.55	3.54	3.52	3.49	3.46	3.42
EX3-4000		5.05	5.26	5.42	5.53	5.62	5.67	5.70	5.71	5.70	5.67	5.62	5.56	5.50
EX3-5000		8.19	8.52	8.78	8.98	9.11	9.20	9.25	9.26	9.24	9.19	9.12	9.02	8.91
EX3-6000		13.23	13.78	14.20	14.51	14.73	14.88	14.95	14.97	14.93	14.86	14.74	14.59	14.41
EX3-7000		16.78	17.47	18.00	18.40	18.68	18.86	18.96	18.98	18.94	18.84	18.69	18.50	18.27
EX3-8000		18.69	19.46	20.05	20.49	20.81	21.01	21.12	21.14	21.09	20.98	20.82	20.60	20.35
EX3-9000		23.88	24.86	25.61	26.18	26.58	26.84	26.97	27.01	26.94	26.80	26.59	26.32	26.00
EX3-2000	45	1.41	1.49	1.55	1.59	1.63	1.65	1.67	1.68	1.68	1.67	1.66	1.65	1.63
EX3-3000		2.95	3.11	3.24	3.33	3.40	3.45	3.49	3.50	3.51	3.50	3.48	3.45	3.41
EX3-4000		4.74	5.00	5.21	5.36	5.48	5.56	5.61	5.63	5.64	5.62	5.59	5.55	5.49
EX3-5000		7.69	8.11	8.44	8.69	8.88	9.01	9.10	9.14	9.14	9.12	9.07	9.00	8.90
EX3-6000		12.43	13.11	13.65	14.06	14.36	14.57	14.70	14.77	14.78	14.74	14.66	14.54	14.39
EX3-7000		15.76	16.63	17.31	17.82	18.21	18.48	18.65	18.73	18.75	18.70	18.59	18.44	18.25
EX3-8000		17.55	18.52	19.28	19.85	20.28	20.58	20.77	20.86	20.88	20.82	20.71	20.54	20.33
EX3-9000		22.42	23.66	24.62	25.36	25.90	26.29	26.53	26.65	26.67	26.60	26.45	26.24	25.97
EX3-2000	40	1.29	1.39	1.46	1.52	1.57	1.60	1.62	1.64	1.64	1.65	1.64	1.63	1.62
EX3-3000		2.69	2.90	3.06	3.18	3.28	3.35	3.39	3.42	3.44	3.44	3.43	3.41	3.38
EX3-4000		4.33	4.67	4.92	5.12	5.27	5.38	5.46	5.51	5.53	5.53	5.52	5.48	5.44
EX3-5000		7.03	7.57	7.98	8.31	8.55	8.73	8.86	8.93	8.97	8.97	8.95	8.89	8.82
EX3-6000		11.36	12.23	12.91	13.43	13.82	14.12	14.32	14.44	14.50	14.51	14.46	14.38	14.26
EX3-7000		14.41	15.51	16.37	17.03	17.53	17.90	18.15	18.31	18.39	18.40	18.34	18.23	18.08
EX3-8000		16.05	17.28	18.23	18.97	19.53	19.94	20.22	20.40	20.48	20.49	20.43	20.31	20.14
EX3-9000		20.50	22.07	23.29	24.23	24.94	25.47	25.83	26.06	26.16	26.17	26.09	25.94	25.72
EX3-2000	35	1.13	1.26	1.36	1.43	1.49	1.53	1.56	1.59	1.60	1.60	1.60	1.60	1.59
EX3-3000		2.37	2.63	2.84	2.99	3.11	3.20	3.27	3.32	3.34	3.36	3.36	3.34	3.32
EX3-4000		3.81	4.24	4.56	4.82	5.01	5.16	5.26	5.33	5.38	5.40	5.40	5.38	5.35
EX3-5000		6.18	6.87	7.40	7.81	8.12	8.36	8.53	8.65	8.72	8.75	8.75	8.72	8.67
EX3-6000		9.99	11.10	11.96	12.62	13.13	13.52	13.79	13.98	14.10	14.15	14.15	14.10	14.01
EX3-7000		12.66	14.08	15.17	16.01	16.65	17.14	17.49	17.73	17.88	17.94	17.94	17.88	17.77
EX3-8000		14.10	15.68	16.90	17.83	18.55	19.09	19.48	19.75	19.91	19.99	19.98	19.92	19.79
EX3-9000		18.01	20.03	21.58	22.78	23.69	24.38	24.88	25.23	25.44	25.53	25.53	25.44	25.28

R-134a Extended Capacities (kWatts) - EX3 Series

Valve Type	Condensing Temperature (°C)	Evaporating Temperature (°C)												
		15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX3-2000	60	1.23	1.24	1.24	1.24	1.23	1.22	1.20	1.18	1.15	1.12	1.09	1.06	1.02
EX3-3000		2.56	2.59	2.60	2.60	2.58	2.55	2.51	2.46	2.40	2.34	2.28	2.21	2.14
EX3-4000		4.12	4.17	4.18	4.17	4.14	4.10	4.03	3.95	3.87	3.77	3.66	3.55	3.44
EX3-5000		6.69	6.76	6.78	6.77	6.72	6.64	6.54	6.41	6.27	6.11	5.94	5.76	5.57
EX3-6000		10.81	10.93	10.97	10.94	10.87	10.74	10.57	10.37	10.14	9.88	9.61	9.31	9.01
EX3-7000		13.71	13.86	13.91	13.88	13.78	13.62	13.40	13.15	12.86	12.53	12.18	11.81	11.43
EX3-8000		15.27	15.43	15.49	15.46	15.35	15.17	14.93	14.64	14.32	13.96	13.57	13.16	12.73
EX3-9000		19.50	19.71	19.79	19.74	19.60	19.37	19.07	18.71	18.29	17.83	17.33	16.81	16.26
EX3-2000	55	1.20	1.22	1.23	1.24	1.24	1.23	1.21	1.20	1.17	1.15	1.12	1.09	1.06
EX3-3000		2.50	2.55	2.58	2.59	2.59	2.57	2.54	2.50	2.45	2.40	2.34	2.28	2.21
EX3-4000		4.03	4.11	4.15	4.17	4.16	4.13	4.08	4.02	3.95	3.86	3.77	3.67	3.56
EX3-5000		6.53	6.66	6.73	6.76	6.75	6.70	6.62	6.52	6.40	6.26	6.11	5.95	5.78
EX3-6000		10.56	10.77	10.88	10.93	10.91	10.83	10.71	10.54	10.35	10.13	9.88	9.62	9.34
EX3-7000		13.39	13.65	13.80	13.86	13.83	13.73	13.58	13.37	13.12	12.84	12.53	12.19	11.84
EX3-8000		14.91	15.20	15.37	15.43	15.40	15.29	15.12	14.89	14.62	14.30	13.96	13.58	13.19
EX3-9000		19.04	19.42	19.64	19.71	19.67	19.54	19.32	19.02	18.67	18.27	17.83	17.35	16.85
EX3-2000	50	1.15	1.18	1.21	1.22	1.22	1.22	1.21	1.20	1.18	1.16	1.14	1.11	1.08
EX3-3000		2.40	2.47	2.52	2.55	2.56	2.56	2.54	2.51	2.47	2.43	2.38	2.32	2.26
EX3-4000		3.86	3.98	4.06	4.10	4.12	4.11	4.08	4.04	3.98	3.91	3.83	3.74	3.64
EX3-5000		6.25	6.45	6.58	6.65	6.68	6.67	6.62	6.55	6.45	6.34	6.21	6.06	5.90
EX3-6000		10.11	10.43	10.64	10.76	10.80	10.78	10.71	10.59	10.43	10.25	10.03	9.80	9.54
EX3-7000		12.82	13.23	13.49	13.64	13.70	13.67	13.58	13.43	13.23	12.99	12.72	12.42	12.10
EX3-8000		14.28	14.73	15.02	15.19	15.25	15.23	15.12	14.96	14.74	14.47	14.17	13.84	13.48
EX3-9000		18.24	18.82	19.19	19.41	19.49	19.45	19.32	19.10	18.82	18.49	18.10	17.67	17.22
EX3-2000	45	1.07	1.12	1.16	1.18	1.20	1.20	1.20	1.19	1.18	1.16	1.14	1.12	1.09
EX3-3000		2.24	2.35	2.42	2.47	2.50	2.51	2.51	2.49	2.46	2.43	2.39	2.34	2.28
EX3-4000		3.61	3.78	3.90	3.98	4.02	4.04	4.03	4.01	3.96	3.91	3.84	3.76	3.68
EX3-5000		5.85	6.13	6.32	6.45	6.53	6.55	6.54	6.50	6.43	6.34	6.22	6.10	5.96
EX3-6000		9.46	9.91	10.23	10.43	10.55	10.59	10.58	10.51	10.39	10.24	10.06	9.86	9.63
EX3-7000		11.99	12.56	12.97	13.23	13.38	13.43	13.41	13.32	13.18	12.99	12.76	12.50	12.22
EX3-8000		13.36	14.00	14.44	14.73	14.90	14.96	14.94	14.84	14.68	14.47	14.21	13.92	13.61
EX3-9000		17.06	17.88	18.45	18.82	19.03	19.11	19.08	18.95	18.75	18.48	18.16	17.79	17.38
EX3-2000	40	0.97	1.04	1.09	1.13	1.15	1.16	1.17	1.17	1.16	1.15	1.13	1.11	1.09
EX3-3000		2.03	2.18	2.28	2.36	2.41	2.44	2.45	2.44	2.43	2.40	2.37	2.33	2.28
EX3-4000		3.26	3.50	3.67	3.79	3.87	3.92	3.93	3.93	3.90	3.86	3.81	3.74	3.67
EX3-5000		5.29	5.68	5.96	6.15	6.28	6.35	6.38	6.37	6.33	6.26	6.17	6.07	5.95
EX3-6000		8.56	9.18	9.63	9.95	10.15	10.27	10.31	10.30	10.23	10.12	9.98	9.81	9.61
EX3-7000		10.85	11.65	12.22	12.61	12.87	13.02	13.08	13.06	12.97	12.83	12.65	12.44	12.19
EX3-8000		12.09	12.97	13.61	14.05	14.34	14.50	14.57	14.54	14.45	14.30	14.09	13.85	13.58
EX3-9000		15.44	16.57	17.38	17.95	18.32	18.53	18.61	18.58	18.46	18.26	18.00	17.69	17.34
EX3-2000	35	0.83	0.93	1.00	1.05	1.09	1.11	1.13	1.13	1.13	1.12	1.11	1.09	1.08
EX3-3000		1.74	1.95	2.10	2.20	2.28	2.32	2.35	2.36	2.36	2.34	2.32	2.29	2.25
EX3-4000		2.80	3.13	3.37	3.54	3.66	3.74	3.78	3.80	3.80	3.77	3.73	3.68	3.62
EX3-5000		4.54	5.08	5.47	5.75	5.94	6.06	6.14	6.16	6.15	6.12	6.05	5.97	5.87
EX3-6000		7.35	8.22	8.84	9.29	9.60	9.80	9.92	9.96	9.95	9.89	9.78	9.65	9.48
EX3-7000		9.31	10.42	11.21	11.78	12.18	12.43	12.58	12.63	12.62	12.54	12.40	12.23	12.03
EX3-8000		10.37	11.61	12.49	13.12	13.56	13.85	14.01	14.07	14.05	13.96	13.82	13.62	13.40
EX3-9000		13.25	14.83	15.96	16.76	17.32	17.69	17.90	17.98	17.95	17.84	17.65	17.40	17.11

R-134a Extended Capacities (kWatts) - EX3 Series

Valve Type	Condensing Temperature (°C)	Evaporating Temperature (°C)												
		15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX3-2000	30	0.64	0.79	0.89	0.96	1.01	1.04	1.06	1.08	1.08	1.08	1.07	1.06	1.05
EX3-3000		1.34	1.64	1.85	2.00	2.11	2.18	2.23	2.25	2.26	2.26	2.25	2.22	2.19
EX3-4000		2.15	2.64	2.98	3.22	3.39	3.51	3.58	3.63	3.64	3.64	3.61	3.58	3.53
EX3-5000		3.49	4.29	4.83	5.22	5.49	5.68	5.81	5.88	5.91	5.90	5.86	5.80	5.72
EX3-6000		5.64	6.93	7.81	8.44	8.88	9.19	9.39	9.50	9.55	9.54	9.48	9.38	9.25
EX3-7000		7.16	8.79	9.90	10.70	11.26	11.65	11.91	12.05	12.11	12.09	12.02	11.89	11.73
EX3-8000		7.97	9.79	11.03	11.92	12.55	12.98	13.26	13.42	13.49	13.47	13.38	13.25	13.06
EX3-9000		10.18	12.50	14.09	15.22	16.02	16.58	16.94	17.15	17.23	17.20	17.10	16.92	16.69
EX3-2000	25	0.30	0.58	0.73	0.83	0.90	0.95	0.99	1.01	1.02	1.03	1.03	1.02	1.01
EX3-3000		0.64	1.21	1.53	1.74	1.89	1.99	2.07	2.11	2.14	2.15	2.15	2.13	2.11
EX3-4000		1.03	1.95	2.46	2.80	3.04	3.21	3.32	3.40	3.44	3.46	3.45	3.43	3.40
EX3-5000		1.66	3.16	3.98	4.54	4.92	5.20	5.39	5.51	5.58	5.61	5.60	5.57	5.51
EX3-6000		2.69	5.11	6.44	7.33	7.96	8.40	8.71	8.91	9.02	9.07	9.06	9.00	8.91
EX3-7000		3.41	6.48	8.17	9.30	10.10	10.66	11.05	11.30	11.44	11.50	11.48	11.41	11.30
EX3-8000		3.80	7.21	9.09	10.36	11.25	11.87	12.30	12.58	12.74	12.81	12.79	12.71	12.59
EX3-9000		4.85	9.21	11.62	13.23	14.36	15.16	15.72	16.07	16.28	16.36	16.34	16.24	16.08
EX3-2000	20		0.16	0.51	0.67	0.77	0.84	0.89	0.93	0.95	0.96	0.97	0.97	0.96
EX3-3000			0.34	1.06	1.39	1.61	1.76	1.86	1.94	1.98	2.01	2.02	2.02	2.01
EX3-4000			0.54	1.70	2.24	2.59	2.83	3.00	3.11	3.19	3.23	3.25	3.25	3.23
EX3-5000			0.88	2.76	3.63	4.20	4.59	4.86	5.05	5.17	5.24	5.27	5.27	5.24
EX3-6000			1.43	4.46	5.87	6.78	7.42	7.86	8.16	8.36	8.48	8.52	8.52	8.47
EX3-7000			1.81	5.66	7.44	8.60	9.40	9.97	10.35	10.60	10.75	10.81	10.80	10.74
EX3-8000			2.01	6.30	8.29	9.58	10.47	11.10	11.53	11.81	11.97	12.04	12.03	11.96
EX3-9000			2.57	8.05	10.58	12.24	13.38	14.18	14.73	15.09	15.29	15.38	15.36	15.27
EX3-2000	15				0.41	0.59	0.70	0.77	0.82	0.86	0.88	0.89	0.90	0.90
EX3-3000					0.87	1.23	1.46	1.61	1.72	1.79	1.84	1.86	1.88	1.88
EX3-4000					1.40	1.98	2.34	2.59	2.76	2.88	2.96	3.00	3.02	3.02
EX3-5000					2.26	3.21	3.80	4.20	4.48	4.67	4.79	4.86	4.89	4.89
EX3-6000					3.66	5.19	6.15	6.80	7.24	7.55	7.75	7.86	7.91	7.91
EX3-7000					4.64	6.59	7.79	8.62	9.18	9.57	9.82	9.97	10.03	10.03
EX3-8000					5.17	7.34	8.68	9.60	10.23	10.66	10.94	11.11	11.18	11.17
EX3-9000					6.60	9.37	11.09	12.26	13.07	13.62	13.98	14.19	14.28	14.27
EX3-2000	10					0.29	0.50	0.61	0.69	0.74	0.78	0.80	0.81	0.82
EX3-3000						0.61	1.04	1.28	1.44	1.55	1.63	1.67	1.70	1.71
EX3-4000						0.98	1.67	2.06	2.32	2.50	2.62	2.69	2.74	2.76
EX3-5000						1.59	2.72	3.35	3.76	4.05	4.24	4.37	4.44	4.47
EX3-6000						2.57	4.39	5.41	6.08	6.54	6.86	7.06	7.18	7.23
EX3-7000						3.26	5.57	6.86	7.72	8.30	8.69	8.95	9.10	9.17
EX3-8000						3.64	6.20	7.64	8.59	9.24	9.68	9.97	10.14	10.22
EX3-9000						4.64	7.92	9.76	10.98	11.81	12.37	12.74	12.95	13.05

R-404A Extended Capacities (kWatts) - EX3 Series

Valve Type	Condensing Temperature (°C)	Evaporating Temperature (°C)												
		15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX3-2000	60	0.87	0.87	0.87	0.86	0.85	0.83	0.80	0.78	0.75	0.71	0.68	0.64	0.60
EX3-3000		1.82	1.82	1.82	1.80	1.77	1.73	1.68	1.62	1.56	1.49	1.42	1.34	1.26
EX3-4000		2.92	2.94	2.93	2.89	2.84	2.78	2.70	2.61	2.51	2.40	2.28	2.16	2.03
EX3-5000		4.74	4.76	4.74	4.69	4.61	4.51	4.38	4.23	4.07	3.89	3.70	3.50	3.29
EX3-6000		7.66	7.70	7.67	7.59	7.46	7.28	7.08	6.84	6.57	6.28	5.98	5.65	5.32
EX3-7000		9.71	9.76	9.72	9.62	9.46	9.24	8.97	8.67	8.33	7.97	7.58	7.17	6.74
EX3-8000		10.81	10.87	10.83	10.72	10.53	10.29	10.00	9.66	9.28	8.88	8.44	7.99	7.51
EX3-9000		13.81	13.88	13.84	13.69	13.45	13.14	12.77	12.34	11.86	11.34	10.78	10.20	9.60
EX3-2000	55	0.93	0.94	0.95	0.94	0.94	0.92	0.90	0.88	0.85	0.83	0.79	0.76	0.72
EX3-3000		1.94	1.97	1.98	1.97	1.96	1.93	1.89	1.84	1.79	1.73	1.66	1.59	1.51
EX3-4000		3.11	3.16	3.18	3.18	3.15	3.10	3.04	2.96	2.87	2.78	2.67	2.55	2.44
EX3-5000		5.05	5.13	5.16	5.15	5.10	5.03	4.93	4.80	4.66	4.50	4.33	4.14	3.95
EX3-6000		8.17	8.29	8.34	8.32	8.25	8.13	7.97	7.77	7.53	7.28	7.00	6.70	6.38
EX3-7000		10.35	10.51	10.58	10.56	10.46	10.31	10.10	9.85	9.55	9.23	8.87	8.49	8.09
EX3-8000		11.53	11.71	11.78	11.76	11.65	11.48	11.25	10.97	10.64	10.28	9.88	9.46	9.02
EX3-9000		14.73	14.96	15.05	15.02	14.89	14.67	14.37	14.01	13.59	13.13	12.62	12.08	11.52
EX3-2000	50	1.00	1.03	1.04	1.04	1.04	1.03	1.01	0.99	0.97	0.94	0.91	0.88	0.85
EX3-3000		2.10	2.14	2.17	2.18	2.17	2.15	2.12	2.08	2.03	1.97	1.91	1.84	1.77
EX3-4000		3.37	3.45	3.49	3.50	3.49	3.46	3.41	3.34	3.26	3.17	3.07	2.96	2.85
EX3-5000		5.47	5.59	5.66	5.68	5.66	5.61	5.53	5.42	5.29	5.14	4.98	4.81	4.62
EX3-6000		8.84	9.04	9.15	9.18	9.15	9.07	8.94	8.76	8.55	8.32	8.05	7.77	7.47
EX3-7000		11.21	11.46	11.60	11.64	11.61	11.50	11.33	11.11	10.85	10.54	10.21	9.85	9.47
EX3-8000		12.49	12.77	12.92	12.97	12.93	12.81	12.62	12.38	12.08	11.74	11.37	10.97	10.55
EX3-9000		15.95	16.31	16.51	16.57	16.51	16.36	16.12	15.81	15.43	15.00	14.53	14.02	13.47
EX3-2000	45	0.94	0.98	1.01	1.03	1.03	1.03	1.03	1.01	1.00	0.98	0.95	0.92	0.89
EX3-3000		1.97	2.05	2.11	2.15	2.16	2.16	2.15	2.12	2.08	2.04	1.99	1.93	1.87
EX3-4000		3.17	3.31	3.40	3.45	3.48	3.47	3.45	3.41	3.35	3.28	3.20	3.11	3.01
EX3-5000		5.14	5.36	5.51	5.60	5.64	5.63	5.60	5.53	5.44	5.32	5.19	5.04	4.88
EX3-6000		8.31	8.67	8.90	9.05	9.11	9.11	9.05	8.94	8.79	8.60	8.39	8.15	7.89
EX3-7000		10.54	10.99	11.29	11.47	11.55	11.55	11.47	11.34	11.15	10.91	10.64	10.33	10.00
EX3-8000		11.74	12.24	12.58	12.78	12.87	12.86	12.78	12.63	12.41	12.15	11.85	11.51	11.14
EX3-9000		15.00	15.63	16.06	16.32	16.44	16.43	16.33	16.13	15.86	15.52	15.14	14.70	14.23
EX3-2000	40	0.90	0.96	1.00	1.03	1.05	1.05	1.06	1.05	1.04	1.02	1.00	0.98	0.95
EX3-3000		1.89	2.01	2.10	2.15	2.19	2.21	2.21	2.19	2.17	2.13	2.09	2.04	1.99
EX3-4000		3.04	3.23	3.37	3.47	3.52	3.55	3.55	3.53	3.49	3.43	3.37	3.29	3.20
EX3-5000		4.93	5.24	5.47	5.62	5.71	5.75	5.76	5.72	5.66	5.57	5.46	5.33	5.19
EX3-6000		7.97	8.48	8.84	9.08	9.23	9.30	9.30	9.25	9.15	9.00	8.83	8.62	8.39
EX3-7000		10.11	10.75	11.21	11.52	11.71	11.80	11.80	11.73	11.60	11.42	11.19	10.93	10.64
EX3-8000		11.26	11.98	12.49	12.83	13.04	13.14	13.14	13.06	12.92	12.72	12.46	12.17	11.85
EX3-9000		14.38	15.30	15.95	16.39	16.66	16.78	16.79	16.69	16.50	16.24	15.92	15.55	15.13
EX3-2000	35	0.83	0.91	0.97	1.01	1.04	1.06	1.06	1.07	1.06	1.05	1.03	1.01	0.99
EX3-3000		1.74	1.90	2.03	2.11	2.17	2.21	2.23	2.23	2.22	2.19	2.16	2.12	2.07
EX3-4000		2.79	3.06	3.26	3.40	3.49	3.55	3.58	3.58	3.56	3.53	3.47	3.41	3.33
EX3-5000		4.53	4.97	5.29	5.51	5.67	5.76	5.81	5.81	5.78	5.72	5.63	5.53	5.41
EX3-6000		7.32	8.03	8.55	8.91	9.16	9.31	9.39	9.39	9.34	9.25	9.11	8.94	8.74
EX3-7000		9.28	10.18	10.84	11.30	11.62	11.81	11.90	11.91	11.85	11.72	11.55	11.33	11.08
EX3-8000		10.34	11.34	12.07	12.59	12.94	13.15	13.26	13.27	13.20	13.06	12.86	12.62	12.34
EX3-9000		13.21	14.49	15.42	16.08	16.53	16.80	16.93	16.95	16.86	16.68	16.43	16.12	15.77

R-404A Extended Capacities (kWatts) - EX3 Series

Valve Type	Condensing Temperature (°C)	Evaporating Temperature (°C)												
		15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX3-2000	30	0.71	0.83	0.91	0.97	1.01	1.04	1.05	1.06	1.06	1.06	1.05	1.03	1.02
EX3-3000		1.49	1.73	1.90	2.02	2.11	2.17	2.21	2.22	2.23	2.21	2.19	2.16	2.12
EX3-4000		2.39	2.78	3.05	3.25	3.39	3.49	3.55	3.58	3.58	3.56	3.53	3.48	3.42
EX3-5000		3.88	4.50	4.95	5.27	5.50	5.66	5.75	5.80	5.81	5.78	5.72	5.64	5.54
EX3-6000		6.27	7.28	8.00	8.52	8.89	9.15	9.30	9.38	9.39	9.34	9.25	9.12	8.95
EX3-7000		7.95	9.23	10.15	10.81	11.28	11.60	11.79	11.89	11.90	11.84	11.73	11.56	11.35
EX3-8000		8.86	10.28	11.30	12.04	12.56	12.92	13.14	13.24	13.26	13.19	13.06	12.88	12.65
EX3-9000		11.31	13.14	14.44	15.38	16.05	16.50	16.78	16.92	16.93	16.85	16.68	16.45	16.15
EX3-2000	25	0.52	0.70	0.81	0.90	0.96	1.00	1.03	1.04	1.05	1.05	1.05	1.04	1.02
EX3-3000		1.09	1.45	1.70	1.87	2.00	2.09	2.15	2.18	2.20	2.20	2.19	2.17	2.14
EX3-4000		1.75	2.34	2.73	3.01	3.21	3.35	3.45	3.51	3.54	3.54	3.53	3.49	3.45
EX3-5000		2.83	3.79	4.43	4.88	5.21	5.44	5.60	5.69	5.74	5.75	5.72	5.67	5.59
EX3-6000		4.58	6.13	7.17	7.90	8.42	8.79	9.05	9.20	9.28	9.29	9.25	9.16	9.04
EX3-7000		5.81	7.78	9.09	10.01	10.68	11.15	11.47	11.67	11.77	11.78	11.73	11.62	11.46
EX3-8000		6.47	8.66	10.12	11.15	11.89	12.42	12.78	13.00	13.11	13.12	13.06	12.94	12.76
EX3-9000		8.26	11.07	12.93	14.25	15.19	15.87	16.32	16.60	16.74	16.76	16.69	16.53	16.31
EX3-2000	20		0.49	0.67	0.79	0.88	0.94	0.98	1.01	1.02	1.03	1.03	1.03	1.02
EX3-3000			1.02	1.41	1.65	1.83	1.96	2.04	2.10	2.14	2.16	2.16	2.15	2.13
EX3-4000			1.64	2.26	2.66	2.94	3.15	3.29	3.38	3.44	3.47	3.48	3.46	3.43
EX3-5000			2.67	3.67	4.32	4.77	5.10	5.33	5.49	5.58	5.63	5.64	5.62	5.57
EX3-6000			4.31	5.93	6.98	7.72	8.25	8.62	8.87	9.03	9.11	9.12	9.08	9.00
EX3-7000			5.47	7.52	8.85	9.79	10.46	10.93	11.25	11.45	11.55	11.56	11.51	11.41
EX3-8000			6.09	8.37	9.86	10.90	11.65	12.17	12.53	12.75	12.86	12.88	12.83	12.71
EX3-9000			7.78	10.70	12.59	13.92	14.88	15.55	16.00	16.29	16.43	16.45	16.38	16.23
EX3-2000	15			0.45	0.64	0.76	0.85	0.91	0.95	0.98	1.00	1.00	1.01	1.00
EX3-3000				0.94	1.34	1.59	1.77	1.90	1.98	2.04	2.08	2.10	2.10	2.10
EX3-4000				1.51	2.16	2.57	2.85	3.05	3.19	3.29	3.35	3.38	3.38	3.37
EX3-5000				2.45	3.50	4.16	4.62	4.95	5.18	5.33	5.43	5.48	5.49	5.47
EX3-6000				3.96	5.65	6.72	7.47	8.00	8.37	8.62	8.78	8.86	8.87	8.84
EX3-7000				5.02	7.17	8.53	9.47	10.14	10.62	10.93	11.13	11.23	11.25	11.21
EX3-8000				5.60	7.98	9.50	10.55	11.30	11.82	12.18	12.40	12.51	12.53	12.48
EX3-9000				7.15	10.20	12.13	13.48	14.43	15.10	15.56	15.84	15.98	16.01	15.94
EX3-2000	10				0.40	0.60	0.73	0.81	0.87	0.91	0.94	0.96	0.97	0.97
EX3-3000					0.83	1.26	1.52	1.70	1.82	1.91	1.97	2.01	2.02	2.03
EX3-4000					1.34	2.02	2.44	2.73	2.93	3.07	3.17	3.23	3.26	3.26
EX3-5000					2.17	3.28	3.96	4.42	4.75	4.98	5.14	5.23	5.28	5.29
EX3-6000					3.51	5.31	6.40	7.15	7.68	8.05	8.30	8.46	8.54	8.56
EX3-7000					4.46	6.73	8.12	9.07	9.74	10.21	10.53	10.73	10.83	10.85
EX3-8000					4.96	7.49	9.04	10.10	10.85	11.38	11.73	11.95	12.06	12.09
EX3-9000					6.34	9.57	11.55	12.90	13.86	14.53	14.98	15.26	15.41	15.44

R-407F Extended Capacities (kWatts) - EX3 Series

Valve Type	Condensing Temperature		Evaporating Temperature (°C)												
	Dew Point (°C)	Bubble Point (°C)	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX3-2000	63.5	60	1.65	1.67	1.69	1.69	1.69	1.68	1.66	1.64	1.61	1.58	1.55	1.51	1.47
EX3-3000			3.45	3.50	3.53	3.53	3.52	3.50	3.47	3.42	3.37	3.30	3.23	3.15	3.07
EX3-4000			5.55	5.63	5.67	5.68	5.67	5.63	5.58	5.50	5.41	5.31	5.20	5.07	4.94
EX3-5000			9.00	9.13	9.19	9.21	9.19	9.13	9.04	8.92	8.78	8.61	8.43	8.23	8.01
EX3-6000			14.56	14.76	14.87	14.91	14.87	14.78	14.63	14.43	14.20	13.93	13.63	13.31	12.96
EX3-7000			18.46	18.71	18.86	18.90	18.85	18.73	18.54	18.30	18.00	17.66	17.28	16.87	16.43
EX3-8000			20.56	20.84	21.00	21.05	21.00	20.86	20.65	20.38	20.05	19.67	19.25	18.79	18.30
EX3-9000			26.27	26.63	26.83	26.89	26.83	26.65	26.39	26.04	25.61	25.13	24.59	24.00	23.38
EX3-2000	58.5	55	1.67	1.70	1.72	1.74	1.74	1.74	1.72	1.71	1.68	1.66	1.63	1.59	1.56
EX3-3000			3.49	3.56	3.60	3.63	3.64	3.63	3.60	3.57	3.52	3.47	3.40	3.33	3.26
EX3-4000			5.61	5.72	5.80	5.84	5.85	5.83	5.79	5.74	5.66	5.57	5.47	5.36	5.24
EX3-5000			9.10	9.28	9.40	9.47	9.48	9.46	9.40	9.30	9.18	9.04	8.87	8.69	8.49
EX3-6000			14.72	15.01	15.21	15.31	15.34	15.30	15.20	15.05	14.86	14.62	14.35	14.06	13.74
EX3-7000			18.66	19.04	19.28	19.41	19.45	19.40	19.27	19.08	18.83	18.54	18.20	17.82	17.42
EX3-8000			20.78	21.20	21.47	21.62	21.66	21.60	21.47	21.25	20.98	20.65	20.27	19.85	19.40
EX3-9000			26.55	27.09	27.44	27.63	27.68	27.60	27.43	27.15	26.80	26.38	25.89	25.36	24.78
EX3-2000	54	50	1.65	1.70	1.73	1.75	1.77	1.77	1.76	1.75	1.73	1.71	1.69	1.66	1.62
EX3-3000			3.46	3.56	3.62	3.67	3.69	3.70	3.69	3.66	3.63	3.58	3.52	3.46	3.39
EX3-4000			5.56	5.72	5.83	5.90	5.94	5.94	5.93	5.89	5.83	5.76	5.67	5.56	5.45
EX3-5000			9.02	9.27	9.45	9.57	9.63	9.64	9.61	9.55	9.45	9.33	9.19	9.02	8.84
EX3-6000			14.59	15.00	15.29	15.48	15.58	15.60	15.55	15.45	15.29	15.10	14.86	14.60	14.31
EX3-7000			18.50	19.02	19.39	19.62	19.75	19.77	19.72	19.58	19.39	19.14	18.84	18.51	18.14
EX3-8000			20.61	21.18	21.59	21.85	21.99	22.02	21.96	21.81	21.59	21.32	20.99	20.61	20.20
EX3-9000			26.33	27.06	27.59	27.92	28.10	28.14	28.05	27.87	27.59	27.24	26.81	26.34	25.81
EX3-2000	49	45	1.61	1.67	1.72	1.75	1.77	1.78	1.78	1.77	1.76	1.74	1.72	1.70	1.67
EX3-3000			3.37	3.49	3.59	3.65	3.70	3.72	3.72	3.71	3.68	3.65	3.60	3.54	3.48
EX3-4000			5.41	5.62	5.77	5.88	5.94	5.98	5.98	5.96	5.92	5.86	5.79	5.70	5.60
EX3-5000			8.78	9.11	9.36	9.53	9.64	9.69	9.70	9.67	9.60	9.51	9.39	9.24	9.08
EX3-6000			14.20	14.74	15.14	15.41	15.59	15.68	15.70	15.64	15.54	15.38	15.18	14.95	14.69
EX3-7000			18.00	18.68	19.19	19.54	19.77	19.88	19.90	19.83	19.70	19.50	19.25	18.96	18.62
EX3-8000			20.04	20.81	21.37	21.76	22.01	22.14	22.16	22.09	21.94	21.72	21.44	21.11	20.74
EX3-9000			25.61	26.59	27.31	27.81	28.13	28.29	28.31	28.22	28.03	27.75	27.39	26.97	26.50
EX3-2000	44	40	1.53	1.61	1.67	1.72	1.75	1.77	1.77	1.78	1.77	1.76	1.74	1.72	1.69
EX3-3000			3.20	3.37	3.50	3.59	3.65	3.69	3.71	3.71	3.70	3.67	3.63	3.59	3.53
EX3-4000			5.15	5.42	5.62	5.77	5.87	5.93	5.97	5.97	5.95	5.90	5.84	5.77	5.68
EX3-5000			8.36	8.79	9.12	9.36	9.52	9.62	9.67	9.68	9.64	9.58	9.48	9.36	9.21
EX3-6000			13.52	14.22	14.75	15.14	15.40	15.57	15.65	15.66	15.60	15.49	15.33	15.13	14.91
EX3-7000			17.14	18.03	18.70	19.19	19.53	19.74	19.84	19.85	19.78	19.64	19.44	19.19	18.90
EX3-8000			19.09	20.08	20.82	21.37	21.75	21.98	22.10	22.11	22.03	21.87	21.65	21.37	21.04
EX3-9000			24.39	25.65	26.61	27.30	27.79	28.09	28.23	28.24	28.14	27.94	27.66	27.30	26.89
EX3-2000	39.5	35	1.42	1.52	1.60	1.66	1.70	1.73	1.75	1.76	1.76	1.75	1.74	1.72	1.70
EX3-3000			2.97	3.19	3.35	3.47	3.56	3.62	3.66	3.67	3.67	3.66	3.63	3.59	3.55
EX3-4000			4.78	5.12	5.39	5.58	5.72	5.82	5.88	5.91	5.91	5.88	5.84	5.78	5.70
EX3-5000			7.75	8.31	8.73	9.05	9.28	9.44	9.54	9.58	9.58	9.54	9.47	9.37	9.25
EX3-6000			12.54	13.44	14.13	14.64	15.01	15.27	15.42	15.50	15.49	15.43	15.32	15.16	14.97
EX3-7000			15.89	17.04	17.91	18.56	19.04	19.36	19.56	19.64	19.64	19.57	19.42	19.22	18.97
EX3-8000			17.70	18.98	19.95	20.67	21.20	21.56	21.78	21.88	21.88	21.79	21.63	21.40	21.13
EX3-9000			22.62	24.25	25.49	26.41	27.09	27.55	27.83	27.95	27.95	27.84	27.63	27.35	27.00

R-407F Extended Capacities (kWatts) - EX3 Series

Valve Type	Condensing Temperature		Evaporating Temperature (°C)												
	Dew Point (°C)	Bubble Point (°C)	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX3-2000	34.5	30	1.27	1.40	1.50	1.58	1.64	1.68	1.70	1.72	1.73	1.73	1.72	1.70	1.69
EX3-3000			2.65	2.93	3.14	3.30	3.42	3.50	3.56	3.59	3.61	3.61	3.59	3.56	3.53
EX3-4000			4.27	4.72	5.05	5.31	5.50	5.63	5.73	5.78	5.80	5.80	5.78	5.73	5.67
EX3-5000			6.92	7.65	8.20	8.61	8.92	9.14	9.29	9.38	9.41	9.41	9.37	9.29	9.20
EX3-6000			11.19	12.37	13.26	13.93	14.43	14.78	15.02	15.17	15.23	15.22	15.15	15.04	14.88
EX3-7000			14.19	15.68	16.81	17.66	18.29	18.74	19.05	19.23	19.31	19.30	19.21	19.06	18.86
EX3-8000			15.80	17.47	18.72	19.67	20.37	20.87	21.21	21.41	21.50	21.49	21.39	21.23	21.01
EX3-9000			20.19	22.32	23.92	25.13	26.02	26.67	27.10	27.36	27.47	27.46	27.33	27.12	26.84
EX3-2000	30	25	1.06	1.24	1.37	1.47	1.55	1.60	1.64	1.66	1.68	1.68	1.68	1.68	1.66
EX3-3000			2.22	2.59	2.87	3.08	3.23	3.34	3.42	3.48	3.51	3.52	3.52	3.50	3.47
EX3-4000			3.57	4.17	4.62	4.95	5.19	5.38	5.51	5.59	5.64	5.66	5.66	5.63	5.59
EX3-5000			5.79	6.77	7.49	8.02	8.43	8.72	8.93	9.07	9.15	9.19	9.18	9.13	9.06
EX3-6000			9.36	10.95	12.11	12.98	13.63	14.11	14.45	14.68	14.81	14.86	14.84	14.77	14.65
EX3-7000			11.87	13.88	15.35	16.45	17.28	17.89	18.32	18.61	18.77	18.84	18.82	18.73	18.58
EX3-8000			13.22	15.46	17.10	18.32	19.24	19.92	20.40	20.72	20.91	20.98	20.96	20.86	20.69
EX3-9000			16.89	19.75	21.84	23.41	24.59	25.45	26.07	26.47	26.71	26.81	26.78	26.65	26.44
EX3-2000	25	20	0.76	1.02	1.20	1.33	1.43	1.50	1.55	1.59	1.61	1.63	1.63	1.63	1.62
EX3-3000			1.59	2.14	2.52	2.79	2.99	3.14	3.25	3.32	3.37	3.40	3.41	3.41	3.39
EX3-4000			2.55	3.45	4.05	4.48	4.80	5.05	5.22	5.34	5.42	5.47	5.49	5.48	5.45
EX3-5000			4.14	5.59	6.56	7.27	7.79	8.18	8.47	8.67	8.80	8.87	8.90	8.89	8.84
EX3-6000			6.70	9.04	10.61	11.76	12.61	13.24	13.70	14.02	14.23	14.35	14.39	14.37	14.30
EX3-7000			8.49	11.46	13.46	14.90	15.98	16.78	17.36	17.77	18.04	18.20	18.25	18.22	18.13
EX3-8000			9.46	12.76	14.99	16.60	17.80	18.69	19.34	19.80	20.10	20.26	20.32	20.29	20.19
EX3-9000			12.08	16.31	19.15	21.21	22.74	23.88	24.71	25.29	25.68	25.89	25.97	25.93	25.79
EX3-2000	20	15			0.98	1.16	1.28	1.38	1.45	1.50	1.53	1.55	1.57	1.57	1.57
EX3-3000					2.04	2.42	2.68	2.88	3.02	3.13	3.20	3.25	3.27	3.28	3.27
EX3-4000					3.29	3.88	4.31	4.63	4.86	5.03	5.15	5.22	5.26	5.28	5.27
EX3-5000					5.33	6.30	6.99	7.51	7.88	8.16	8.35	8.47	8.54	8.56	8.54
EX3-6000					8.63	10.19	11.31	12.14	12.75	13.19	13.50	13.70	13.81	13.84	13.81
EX3-7000					10.94	12.92	14.34	15.39	16.17	16.73	17.12	17.37	17.50	17.55	17.51
EX3-8000					12.18	14.39	15.97	17.14	18.01	18.63	19.06	19.34	19.49	19.54	19.50
EX3-9000					15.56	18.38	20.41	21.90	23.00	23.80	24.35	24.71	24.91	24.97	24.92
EX3-2000	15.5	10				0.92	1.10	1.22	1.31	1.38	1.43	1.46	1.48	1.49	1.50
EX3-3000						1.93	2.29	2.56	2.75	2.89	2.99	3.06	3.10	3.12	3.13
EX3-4000						3.10	3.69	4.11	4.42	4.64	4.80	4.92	4.99	5.02	5.03
EX3-5000						5.02	5.99	6.67	7.17	7.53	7.79	7.97	8.09	8.15	8.16
EX3-6000						8.12	9.68	10.79	11.59	12.18	12.61	12.90	13.08	13.18	13.20
EX3-7000						10.30	12.27	13.68	14.70	15.45	15.98	16.35	16.58	16.71	16.74
EX3-8000						11.47	13.67	15.23	16.37	17.20	17.80	18.21	18.47	18.61	18.64
EX3-9000						14.65	17.47	19.46	20.92	21.98	22.74	23.27	23.60	23.77	23.82

R-507 Extended Capacities (kWatts) - EX3 Series

Valve Type	Condensing Temperature (°C)	Evaporating Temperature (°C)												
		15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX3-2000	60	0.83	0.84	0.83	0.82	0.81	0.79	0.77	0.74	0.71	0.68	0.64	0.60	0.57
EX3-3000		1.74	1.75	1.74	1.72	1.69	1.65	1.60	1.54	1.48	1.41	1.34	1.26	1.18
EX3-4000		2.81	2.82	2.81	2.77	2.72	2.66	2.58	2.48	2.38	2.27	2.16	2.03	1.90
EX3-5000		4.55	4.57	4.55	4.50	4.41	4.31	4.18	4.03	3.86	3.69	3.49	3.30	3.09
EX3-6000		7.36	7.39	7.36	7.27	7.14	6.96	6.75	6.51	6.24	5.96	5.65	5.33	4.99
EX3-7000		9.33	9.37	9.33	9.22	9.05	8.83	8.56	8.26	7.92	7.55	7.16	6.76	6.33
EX3-8000		10.39	10.43	10.39	10.27	10.08	9.83	9.54	9.20	8.82	8.41	7.98	7.52	7.05
EX3-9000		13.27	13.33	13.27	13.12	12.88	12.56	12.18	11.75	11.27	10.75	10.19	9.61	9.01
EX3-2000	55	0.90	0.91	0.92	0.91	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.73	0.69
EX3-3000		1.88	1.91	1.92	1.91	1.89	1.86	1.83	1.78	1.72	1.66	1.59	1.52	1.45
EX3-4000		3.02	3.07	3.09	3.08	3.05	3.00	2.94	2.86	2.77	2.67	2.56	2.45	2.33
EX3-5000		4.90	4.98	5.00	4.99	4.94	4.86	4.76	4.64	4.49	4.33	4.16	3.97	3.78
EX3-6000		7.93	8.04	8.09	8.07	7.99	7.86	7.70	7.50	7.26	7.00	6.72	6.43	6.11
EX3-7000		10.05	10.20	10.26	10.23	10.13	9.97	9.76	9.50	9.21	8.88	8.53	8.15	7.75
EX3-8000		11.19	11.36	11.42	11.39	11.28	11.11	10.87	10.59	10.26	9.89	9.50	9.07	8.63
EX3-9000		14.30	14.51	14.59	14.55	14.41	14.19	13.89	13.52	13.10	12.64	12.13	11.59	11.02
EX3-2000	50	0.93	0.95	0.97	0.97	0.97	0.96	0.95	0.93	0.91	0.89	0.86	0.83	0.79
EX3-3000		1.94	1.99	2.02	2.04	2.03	2.02	1.99	1.95	1.90	1.85	1.79	1.73	1.66
EX3-4000		3.12	3.21	3.25	3.27	3.27	3.24	3.20	3.14	3.06	2.98	2.88	2.78	2.67
EX3-5000		5.06	5.20	5.28	5.31	5.30	5.26	5.19	5.09	4.97	4.83	4.67	4.51	4.33
EX3-6000		8.18	8.40	8.53	8.59	8.57	8.50	8.38	8.23	8.03	7.81	7.56	7.28	6.99
EX3-7000		10.38	10.66	10.82	10.89	10.87	10.78	10.63	10.43	10.18	9.90	9.58	9.24	8.87
EX3-8000		11.56	11.87	12.05	12.13	12.11	12.01	11.84	11.62	11.34	11.02	10.67	10.29	9.88
EX3-9000		14.76	15.16	15.39	15.49	15.46	15.34	15.13	14.84	14.49	14.08	13.63	13.14	12.62
EX3-2000	45	0.93	0.96	0.99	1.01	1.01	1.01	1.00	0.99	0.97	0.95	0.93	0.90	0.87
EX3-3000		1.93	2.02	2.07	2.10	2.12	2.12	2.10	2.07	2.04	1.99	1.94	1.88	1.82
EX3-4000		3.11	3.24	3.33	3.38	3.41	3.40	3.38	3.34	3.28	3.21	3.12	3.03	2.93
EX3-5000		5.05	5.26	5.40	5.49	5.52	5.52	5.48	5.41	5.32	5.20	5.07	4.92	4.75
EX3-6000		8.16	8.50	8.73	8.87	8.93	8.92	8.86	8.75	8.59	8.41	8.19	7.95	7.69
EX3-7000		10.34	10.78	11.07	11.25	11.32	11.31	11.23	11.09	10.90	10.66	10.39	10.08	9.75
EX3-8000		11.52	12.01	12.33	12.53	12.61	12.60	12.51	12.35	12.14	11.87	11.57	11.23	10.86
EX3-9000		14.72	15.34	15.75	16.00	16.11	16.09	15.98	15.78	15.50	15.17	14.78	14.34	13.87
EX3-2000	40	0.89	0.95	0.99	1.01	1.03	1.04	1.04	1.03	1.02	1.00	0.98	0.96	0.93
EX3-3000		1.86	1.98	2.06	2.12	2.15	2.17	2.17	2.15	2.13	2.09	2.05	2.00	1.95
EX3-4000		2.99	3.18	3.32	3.41	3.46	3.49	3.49	3.47	3.42	3.37	3.30	3.22	3.13
EX3-5000		4.86	5.16	5.38	5.53	5.62	5.66	5.65	5.62	5.55	5.46	5.35	5.22	5.08
EX3-6000		7.85	8.35	8.70	8.94	9.08	9.14	9.14	9.08	8.98	8.83	8.65	8.45	8.21
EX3-7000		9.95	10.58	11.03	11.33	11.51	11.59	11.59	11.52	11.39	11.20	10.97	10.71	10.41
EX3-8000		11.09	11.79	12.28	12.62	12.82	12.91	12.91	12.83	12.68	12.48	12.22	11.93	11.60
EX3-9000		14.16	15.06	15.69	16.12	16.38	16.50	16.49	16.39	16.20	15.94	15.61	15.24	14.82
EX3-2000	35	0.82	0.90	0.96	1.00	1.02	1.04	1.05	1.05	1.04	1.03	1.02	1.00	0.97
EX3-3000		1.71	1.88	2.00	2.08	2.14	2.18	2.19	2.19	2.18	2.16	2.12	2.08	2.04
EX3-4000		2.76	3.02	3.22	3.35	3.45	3.50	3.53	3.53	3.51	3.47	3.42	3.35	3.28
EX3-5000		4.47	4.90	5.22	5.44	5.59	5.68	5.72	5.72	5.69	5.63	5.54	5.44	5.31
EX3-6000		7.23	7.93	8.43	8.79	9.03	9.18	9.25	9.25	9.20	9.10	8.96	8.79	8.59
EX3-7000		9.17	10.05	10.69	11.15	11.46	11.64	11.73	11.73	11.67	11.54	11.36	11.14	10.89
EX3-8000		10.21	11.20	11.91	12.42	12.76	12.97	13.06	13.07	12.99	12.85	12.66	12.41	12.13
EX3-9000		13.05	14.30	15.21	15.86	16.30	16.56	16.69	16.69	16.60	16.42	16.17	15.86	15.50

R-507 Extended Capacities (kWatts) - EX3 Series

Valve Type	Condensing Temperature (°C)	Evaporating Temperature (°C)												
		15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX3-2000	30	0.70	0.82	0.90	0.96	1.00	1.02	1.04	1.05	1.05	1.05	1.03	1.02	1.00
EX3-3000		1.47	1.71	1.88	2.00	2.09	2.14	2.18	2.20	2.20	2.19	2.16	2.13	2.09
EX3-4000		2.37	2.75	3.02	3.22	3.35	3.45	3.50	3.53	3.53	3.52	3.48	3.43	3.37
EX3-5000		3.85	4.46	4.90	5.21	5.44	5.59	5.68	5.73	5.73	5.70	5.64	5.56	5.46
EX3-6000		6.22	7.21	7.92	8.43	8.79	9.04	9.19	9.26	9.27	9.22	9.12	8.99	8.83
EX3-7000		7.88	9.14	10.04	10.69	11.15	11.46	11.65	11.74	11.75	11.69	11.57	11.40	11.19
EX3-8000		8.78	10.18	11.18	11.91	12.42	12.77	12.98	13.08	13.09	13.02	12.89	12.70	12.46
EX3-9000		11.22	13.01	14.29	15.21	15.86	16.31	16.58	16.71	16.72	16.63	16.46	16.22	15.92
EX3-2000	25	0.52	0.69	0.81	0.89	0.95	0.99	1.02	1.03	1.04	1.04	1.04	1.03	1.01
EX3-3000		1.08	1.45	1.69	1.86	1.98	2.07	2.12	2.16	2.18	2.18	2.17	2.15	2.12
EX3-4000		1.74	2.33	2.71	2.99	3.18	3.32	3.42	3.47	3.50	3.51	3.49	3.45	3.41
EX3-5000		2.83	3.77	4.40	4.84	5.16	5.39	5.54	5.63	5.68	5.69	5.66	5.60	5.52
EX3-6000		4.57	6.10	7.11	7.83	8.35	8.71	8.96	9.11	9.18	9.19	9.15	9.06	8.93
EX3-7000		5.80	7.73	9.02	9.93	10.58	11.05	11.36	11.55	11.64	11.66	11.60	11.48	11.32
EX3-8000		6.46	8.61	10.04	11.06	11.79	12.30	12.65	12.87	12.97	12.98	12.92	12.79	12.61
EX3-9000		8.25	11.00	12.83	14.12	15.06	15.71	16.16	16.43	16.57	16.58	16.50	16.34	16.11
EX3-2000	20		0.49	0.67	0.79	0.87	0.93	0.97	1.00	1.01	1.02	1.02	1.02	1.01
EX3-3000			1.03	1.40	1.65	1.82	1.94	2.03	2.09	2.12	2.14	2.14	2.13	2.11
EX3-4000			1.65	2.25	2.65	2.92	3.12	3.26	3.36	3.41	3.44	3.45	3.43	3.40
EX3-5000			2.67	3.65	4.29	4.74	5.06	5.29	5.44	5.54	5.58	5.59	5.56	5.51
EX3-6000			4.32	5.91	6.94	7.67	8.18	8.55	8.80	8.95	9.03	9.04	8.99	8.91
EX3-7000			5.48	7.49	8.80	9.72	10.38	10.84	11.16	11.35	11.44	11.46	11.41	11.30
EX3-8000			6.11	8.34	9.80	10.83	11.56	12.08	12.43	12.64	12.75	12.76	12.70	12.58
EX3-9000			7.80	10.66	12.52	13.83	14.77	15.43	15.87	16.15	16.28	16.30	16.23	16.07
EX3-2000	15			0.45	0.64	0.76	0.84	0.90	0.94	0.97	0.99	1.00	1.00	0.99
EX3-3000				0.95	1.34	1.59	1.76	1.89	1.97	2.03	2.07	2.08	2.09	2.08
EX3-4000				1.52	2.15	2.56	2.84	3.03	3.17	3.27	3.33	3.35	3.36	3.34
EX3-5000				2.47	3.49	4.14	4.60	4.92	5.15	5.30	5.39	5.44	5.45	5.42
EX3-6000				3.99	5.65	6.70	7.43	7.95	8.32	8.57	8.72	8.79	8.81	8.77
EX3-7000				5.06	7.16	8.50	9.42	10.09	10.55	10.86	11.05	11.15	11.17	11.12
EX3-8000				5.64	7.98	9.46	10.50	11.23	11.75	12.10	12.31	12.42	12.44	12.38
EX3-9000				7.20	10.19	12.09	13.41	14.35	15.01	15.45	15.73	15.86	15.89	15.82
EX3-2000	10				0.40	0.60	0.72	0.81	0.87	0.91	0.94	0.95	0.96	0.96
EX3-3000					0.85	1.26	1.52	1.69	1.81	1.90	1.96	2.00	2.01	2.02
EX3-4000					1.36	2.03	2.44	2.72	2.92	3.06	3.15	3.21	3.24	3.24
EX3-5000					2.21	3.29	3.95	4.41	4.73	4.96	5.11	5.20	5.25	5.26
EX3-6000					3.57	5.32	6.39	7.13	7.65	8.02	8.26	8.41	8.49	8.51
EX3-7000					4.52	6.74	8.10	9.04	9.70	10.17	10.48	10.67	10.77	10.79
EX3-8000					5.04	7.51	9.03	10.07	10.81	11.32	11.67	11.88	11.99	12.01
EX3-9000					6.44	9.59	11.53	12.87	13.81	14.47	14.91	15.18	15.32	15.34

R-410A Extended Capacities (Tons) - EX4-8 Series, as expansion and liquid injection valves

The following tables provide the capacity of valves at different conditions considering 20 psi pressure drop through liquid line:

Valve Type	Condensing Temperature (°F)	Evaporating Temperature (°F)											
		60	50	40	30	20	10	0	-10	-20	-30	-40	-50
EX4	140	5	5	5	5	5	5	5	5	5	5	5	5
EX5		15	15	16	16	16	16	16	16	15	15	15	15
EX6		36	37	38	38	38	38	38	38	37	37	36	35
EX7		99	102	104	105	105	105	105	104	103	101	99	97
EX8		265	271	277	279	281	281	280	277	274	269	264	258
EX4	130	5	5	5	5	6	6	6	6	5	5	5	5
EX5		15	16	16	16	17	17	17	17	16	16	16	16
EX6		37	38	39	40	40	40	40	40	40	39	39	38
EX7		101	105	107	109	110	110	111	110	109	108	106	104
EX8		269	279	285	292	293	295	296	294	291	288	283	277
EX4	120	5	5	6	6	6	6	6	6	6	6	6	6
EX5		15	16	17	17	17	17	17	17	17	17	17	17
EX6		37	39	40	41	42	42	42	42	42	42	41	40
EX7		101	106	110	112	114	115	116	116	116	114	113	111
EX8		270	283	293	299	305	308	309	310	309	305	301	297
EX4	110	5	5	5	6	6	6	6	6	6	6	6	6
EX5		15	15	16	17	17	17	18	18	18	17	17	17
EX6		35	37	39	40	42	42	43	43	43	42	42	41
EX7		96	102	107	111	114	115	117	118	117	116	115	113
EX8		257	273	286	297	305	308	313	314	313	309	308	303
EX4	100	5	5	5	6	6	6	6	6	6	6	6	6
EX5		14	15	16	17	17	17	18	18	18	18	18	18
EX6		33	36	38	40	41	42	43	43	43	43	43	42
EX7		90	98	105	110	113	116	118	119	119	118	118	116
EX8		240	261	281	294	301	308	315	316	316	315	316	311
EX4	90	4	4	5	5	5	6	6	6	6	6	6	6
EX5		12	13	15	16	16	17	17	18	18	18	18	18
EX6		28	33	36	38	40	41	42	42	43	43	43	43
EX7		78	89	98	104	109	112	116	116	118	118	118	117
EX8		207	239	260	277	290	300	308	311	314	314	315	313
EX4	80	3	4	4	5	5	5	6	6	6	6	6	6
EX5		9	12	13	15	15	16	17	17	17	17	17	17
EX6		22	28	32	35	37	39	40	41	42	42	42	42
EX7		61	77	87	97	103	107	111	113	114	116	115	114
EX8		163	204	233	257	274	286	297	300	305	309	308	305
EX4	70	2	3	4	4	5	5	5	5	6	6	6	6
EX5		5	9	11	13	14	15	16	16	17	17	17	17
EX6		11	21	27	31	34	37	39	39	40	41	41	41
EX7		31	59	75	86	94	101	106	108	111	112	114	113
EX8		84	157	201	230	251	270	284	289	295	300	303	301
EX4	60	-	1	3	4	4	5	5	5	5	5	5	5
EX5		-	4	8	11	13	14	15	15	16	16	16	16
EX6		-	10	20	26	30	33	36	37	38	39	40	39
EX7		-	27	56	72	84	92	98	102	105	108	109	109
EX8		-	72	150	192	224	245	262	273	281	287	291	290
EX4	50	-	-	1	3	3	4	4	5	5	5	5	5
EX5		-	-	3	8	10	12	14	14	15	15	16	16
EX6		-	-	8	19	25	29	33	35	36	37	38	38
EX7		-	-	21	53	69	80	90	95	99	102	104	104
EX8		-	-	57	143	185	214	239	254	265	272	278	277

R-407C Extended Capacities (Tons) - EX4-8 Series, as expansion and liquid injection valves

The following tables provide the capacity of valves at different conditions considering 20 psi pressure drop through liquid line:

Valve Type	Condensing Temperature Bubble Point (°F)	Evaporating Temperature (°F)							
		60	50	40	30	20	10	0	-10
EX4	140	5	5	5	5	5	5	5	5
EX5		14	15	15	15	15	15	14	14
EX6		34	35	35	35	35	35	34	33
EX7		95	97	97	97	96	95	94	92
EX8		253	257	258	259	256	255	250	244
EX4	130	5	5	5	5	5	5	5	5
EX5		15	15	15	15	15	15	15	14
EX6		35	35	36	36	36	35	35	34
EX7		95	96	98	98	98	97	96	94
EX8		253	257	261	261	261	260	256	252
EX4	120	5	5	5	5	5	5	5	5
EX5		14	15	15	15	15	15	15	15
EX6		34	35	36	36	36	36	36	36
EX7		93	96	99	99	99	100	99	98
EX8		249	256	264	265	265	266	264	261
EX4	110	4	5	5	5	5	5	5	5
EX5		14	14	15	15	15	15	15	15
EX6		33	34	35	35	36	36	36	35
EX7		90	93	96	97	99	99	99	98
EX8		239	248	255	260	263	264	263	260
EX4	100	4	4	5	5	5	5	5	5
EX5		13	14	14	15	15	15	15	15
EX6		30	32	34	35	35	36	36	36
EX7		84	89	94	96	98	9	99	98
EX8		224	239	250	256	260	263	254	262
EX4	90	4	4	4	5	5	5	5	5
EX5		11	13	13	14	14	15	15	15
EX6		27	30	32	33	34	35	35	35
EX7		75	83	87	92	94	96	97	96
EX8		201	220	233	244	250	256	259	257
EX4	80	3	4	4	4	4	5	5	5
EX5		10	11	12	13	13	14	14	14
EX6		23	26	29	31	32	33	34	34
EX7		63	73	80	85	88	91	93	93
EX8		169	193	212	227	235	243	247	248
EX4	70	2	3	4	4	4	4	4	4
EX5		7	9	11	12	13	13	14	14
EX6		17	22	26	28	30	31	32	33
EX7		47	61	71	77	83	87	89	90
EX8		125	164	190	206	220	231	236	239
EX4	60	0	2	3	3	4	4	4	4
EX5		2	7	9	10	11	12	13	13
EX6		4	16	21	24	27	29	30	31
EX7		10	43	58	67	74	79	82	85
EX8		26	115	154	179	197	211	219	225
EX4	50	-	-	2	3	3	4	4	4
EX5		-	-	6	8	10	11	12	12
EX6		-	-	15	20	23	26	27	29
EX7		-	-	40	55	64	70	75	79
EX8		--	-	107	146	170	187	201	210

R-22 Extended Capacities (Tons) - EX4-8 Series, as expansion and liquid injection valves

The following tables provide the capacity of valves at different conditions considering 20 psi pressure drop through liquid line:

Valve Type	Condensing Temperature (°F)	Evaporating Temperature (°F)											
		60	50	40	30	20	10	0	-10	-20	-30	-40	-50
EX4	140	5	5	5	5	5	5	5	5	5	5	5	5
EX5		15	15	15	16	16	16	16	15	15	15	15	15
EX6		35	36	37	37	38	38	37	37	37	36	36	35
EX7		97	100	101	102	103	104	103	102	102	100	98	96
EX8		260	266	270	273	275	276	272	271	266	262	262	257
EX4	130	5	5	5	5	5	5	5	5	5	5	5	5
EX5		14	15	15	15	16	16	16	15	15	15	15	15
EX6		34	35	36	37	37	37	37	37	37	37	36	36
EX7		94	97	100	101	102	103	102	102	101	101	99	98
EX8		251	258	266	270	273	274	273	273	270	268	264	260
EX4	120	4	5	5	5	5	5	5	5	5	5	5	5
EX5		14	14	15	15	15	15	16	15	15	15	15	15
EX6		33	34	35	36	37	37	37	37	37	37	37	36
EX7		90	94	97	99	100	102	103	102	102	101	100	99
EX8		240	250	259	264	268	272	274	272	271	270	268	263
EX4	110	4	4	5	5	5	5	5	5	5	5	5	5
EX5		12	13	14	14	15	15	15	15	15	15	15	15
EX6		30	32	34	34	35	36	36	36	37	36	36	36
EX7		82	88	92	95	98	99	100	100	101	99	99	98
EX8		219	234	246	253	260	263	266	266	268	265	263	261
EX4	100	4	4	4	5	5	5	5	5	5	5	5	5
EX5		11	12	13	14	14	15	15	15	15	15	15	15
EX6		27	29	31	33	34	35	35	36	36	36	35	35
EX7		74	81	87	91	93	96	97	98	98	98	98	97
EX8		197	216	231	242	249	256	259	263	263	262	260	258
EX4	90	3	4	4	4	4	5	5	5	5	5	5	5
EX5		9	11	12	13	13	14	14	14	14	14	14	14
EX6		22	26	29	31	32	33	34	34	35	35	35	34
EX7		61	71	78	84	87	91	93	94	95	95	95	94
EX8		163	190	209	224	233	242	249	251	255	254	253	251
EX4	80	2	3	3	4	4	4	4	4	5	5	5	5
EX5		7	9	10	11	12	13	13	14	14	14	14	14
EX6		16	21	25	27	29	30	32	33	33	33	33	33
EX7		44	58	68	75	81	84	87	89	90	91	91	91
EX8		117	156	182	201	215	224	233	239	240	243	243	241
EX4	70	-	2	3	3	4	4	4	4	4	4	4	4
EX5		-	6	8	10	11	12	12	13	13	13	13	13
EX6		-	15	20	24	26	28	30	31	31	32	32	32
EX7		-	40	55	65	72	77	81	84	85	87	88	87
EX8		-	108	147	173	191	205	217	224	227	231	234	233
EX4	60	-	-	2	3	3	3	4	4	4	4	4	4
EX5		-	-	6	8	9	10	11	12	12	12	12	12
EX6		-	-	13	19	22	25	27	28	29	29	30	30
EX7		-	-	36	51	61	68	74	76	79	81	82	82
EX8		-	-	97	137	163	182	196	204	211	216	219	219
EX4	50	-	-	-	2	2	3	3	3	4	4	4	4
EX5		-	-	-	5	7	9	10	11	11	11	12	12
EX6		-	-	-	11	17	21	23	25	26	27	28	28
EX7		-	-	-	31	47	57	65	69	73	74	76	77
EX8		-	-	-	83	126	152	172	185	194	199	203	206

R-134a Extended Capacities (Tons) - EX4-8 Series, as expansion and liquid injection valves

The following tables provide the capacity of valves at different conditions considering 20 psi pressure drop through liquid line:

Valve Type	Condensing Temperature (°F)	Evaporating Temperature (°F)								
		60	50	40	30	20	10	0	-10	-20
EX4	140	4	4	4	4	4	4	4	3	3
EX5		11	11	11	11	11	11	11	11	10
EX6		27	27	27	27	27	26	26	25	25
EX7		74	75	75	75	73	73	71	69	68
EX8		197	200	200	199	196	194	190	185	181
EX4	130	4	4	4	4	4	4	4	4	3
EX5		11	11	11	11	11	11	11	11	10
EX6		26	26	27	27	27	27	26	26	25
EX7		72	73	74	74	73	73	72	70	69
EX8		191	194	198	197	196	194	192	187	183
EX4	120	3	4	4	4	4	4	4	4	4
EX5		10	11	11	11	11	11	11	11	11
EX6		25	26	26	27	27	27	26	26	25
EX7		68	71	73	73	73	73	72	71	70
EX8		182	188	194	196	195	195	193	189	186
EX4	110	3	3	3	4	4	4	4	4	3
EX5		10	10	11	11	11	11	11	11	11
EX6		23	24	25	26	26	26	26	26	25
EX7		63	65	69	70	71	71	71	70	69
EX8		168	176	183	187	189	191	189	188	184
EX4	100	3	3	3	3	3	3	3	3	3
EX5		9	9	10	10	10	11	11	11	10
EX6		20	22	24	24	25	25	25	25	25
EX7		56	60	65	67	69	69	69	69	68
EX8		149	161	173	178	183	184	185	184	182
EX4	90	2	3	3	3	3	3	3	3	3
EX5		7	8	9	9	10	10	10	10	10
EX6		16	19	21	22	23	24	24	24	24
EX7		44	52	58	61	64	66	66	66	66
EX8		118	139	153	163	170	175	177	176	177
EX4	80	1	2	2	3	3	3	3	3	3
EX5		4	6	7	8	9	9	9	10	10
EX6		10	15	18	20	21	22	23	23	23
EX7		27	40	49	54	58	60	62	62	63
EX8		72	107	130	144	154	160	165	166	167
EX4	70	-	1	2	2	3	3	3	3	3
EX5		-	3	6	7	8	8	9	9	9
EX6		-	8	13	16	18	20	21	21	22
EX7		-	22	37	45	50	54	57	59	59
EX8		-	58	98	120	134	145	152	156	158
EX4	60	-	-	1	2	2	2	3	3	3
EX5		-	-	2	5	6	7	8	8	8
EX6		-	-	5	12	15	17	18	19	20
EX7		-	-	14	32	40	46	50	52	53
EX8		-	-	38	84	107	122	133	139	143
EX4	50	-	-	-	-	1	2	2	2	2
EX5		-	-	-	-	4	5	6	7	7
EX6		-	-	-	-	9	13	15	16	17
EX7		-	-	-	-	26	36	42	45	48
EX8		-	-	-	-	69	95	111	120	128

R-404A/R-507 Extended Capacities (Tons) - EX4-8 Series, as expansion and liquid injection valves

The following tables provide the capacity of valves at different conditions considering 20 psi pressure drop through liquid line:

Valve Type	Condensing Temperature (°F)	Evaporating Temperature (°F)											
		60	50	40	30	20	10	0	-10	-20	-30	-40	-50
EX4	130	3	3	3	3	3	3	3	3	3	2	2	2
EX5		9	9	9	9	9	9	8	8	8	8	7	7
EX6		21	21	22	21	21	21	20	20	19	18	17	16
EX7		58	59	59	58	58	57	56	54	52	50	48	45
EX8		153	156	157	156	154	152	148	143	139	133	127	120
EX4	120	3	3	3	3	3	3	3	3	3	3	3	3
EX5		9	9	9	10	9	9	9	9	9	9	8	8
EX6		22	22	23	23	23	23	22	22	21	20	20	19
EX7		59	61	62	63	62	62	61	60	58	56	54	52
EX8		158	162	165	168	166	165	163	169	165	149	144	138
EX4	110	3	3	3	3	3	3	3	3	3	3	3	3
EX5		9	9	10	10	10	10	10	9	9	9	9	8
EX6		21	22	23	23	23	23	23	23	22	22	21	20
EX7		58	60	63	63	64	64	63	62	61	59	58	56
EX8		153	161	167	168	170	171	168	165	163	158	154	148
EX4	100	3	3	3	3	3	3	3	3	3	3	3	3
EX5		8	9	9	10	10	10	10	10	10	10	9	9
EX6		20	21	23	23	24	24	24	24	23	23	22	22
EX7		54	59	62	64	65	66	66	66	64	63	62	59
EX8		145	156	165	171	174	175	176	173	171	168	164	158
EX4	90	2	3	3	3	3	3	3	3	3	3	3	3
EX5		7	8	9	9	10	10	10	10	10	10	10	9
EX6		17	20	21	23	23	24	24	24	24	23	23	23
EX7		48	54	58	62	64	65	66	66	66	64	63	62
EX8		127	144	156	164	170	173	176	176	175	171	169	165
EX4	80	2	2	3	3	3	3	3	3	3	3	3	3
EX5		6	7	8	9	9	10	10	10	10	10	10	9
EX6		13	17	19	21	22	23	23	24	24	23	23	23
EX7		37	46	53	58	61	63	64	65	65	64	63	62
EX8		98	124	142	154	162	168	171	173	172	171	169	166
EX4	70	1	2	2	3	3	3	3	3	3	3	3	3
EX5		2	5	7	8	9	9	9	10	10	10	10	10
EX6		6	13	17	19	21	22	23	23	24	23	23	23
EX7		16	35	46	52	57	60	62	64	64	64	64	63
EX8		42	94	122	138	152	160	166	170	172	170	170	168
EX4	60	-	1	2	2	2	3	3	3	3	3	3	3
EX5		-	2	5	7	8	8	9	9	9	9	9	9
EX6		-	4	12	16	18	20	21	22	22	22	23	22
EX7		-	11	33	43	50	55	58	60	61	62	62	61
EX8		-	30	89	116	133	146	155	159	163	164	165	162
EX4	50	-	-	-	2	2	2	3	3	3	3	3	3
EX5		-	-	-	5	6	7	8	9	9	9	9	9
EX6		-	-	-	11	15	18	19	20	21	21	22	22
EX7		-	-	-	31	42	48	53	56	58	59	60	59
EX8		-	-	-	82	111	128	142	149	154	157	160	158
EX4	40	-	-	-	-	1	2	2	2	3	3	3	3
EX5		-	-	-	-	4	6	7	8	8	8	8	9
EX6		-	-	-	-	10	14	17	18	19	20	20	21
EX7		-	-	-	-	27	38	46	50	53	55	56	56
EX8		-	-	-	-	72	102	122	133	142	146	149	150

R-23 Extended Capacities (Tons) - EX4-8 Series, as expansion and liquid injection valves

The following tables provide the capacity of valves at different conditions considering 20 psi pressure drop through liquid line:

Valve Type	Condensing Temperature (°F)	Evaporating Temperature (°F)									
		-50	-60	-70	-80	-90	-100	-110	-120	-130	-140
EX4	0	5	5	5	5	5	5	5	5	5	5
EX5		14	15	15	16	16	16	16	16	16	16
EX6		33	35	36	38	38	39	39	39	39	38
EX4	-10	4	4	5	5	5	5	5	5	5	5
EX5		12	13	14	15	15	15	16	15	16	15
EX6		29	32	34	35	36	37	37	37	37	37
EX4	-20	3	4	4	4	5	5	5	5	5	5
EX5		10	12	13	14	14	15	15	15	15	15
EX6		24	28	31	33	34	35	36	36	36	36
EX4	-30	2	3	4	4	4	4	5	5	5	5
EX5		7	9	11	12	13	13	14	14	14	14
EX6		17	23	26	29	31	32	33	33	33	34
EX4	-40	-	2	3	3	4	4	4	4	4	4
EX5		-	6	9	10	11	12	12	13	13	13
EX6		-	16	21	25	27	29	30	31	31	31
EX4	-50	-	-	2	3	3	3	4	4	4	4
EX5		-	-	5	8	9	10	11	11	12	12
EX6		-	-	13	19	23	25	26	27	28	28

R-124 Extended Capacities (Tons) - EX4-8 Series, as expansion and liquid injection valves

The following tables provide the capacity of valves at different conditions considering 20 psi pressure drop through liquid line:

Valve Type	Condensing Temperature (°F)	Evaporating Temperature (°F)				
		80	70	60	50	40
EX4	210	2	2	2	2	2
EX5		6	6	6	5	5
EX6		15	14	13	13	12
EX4	200	2	2	2	2	2
EX5		7	6	6	6	6
EX6		16	15	15	14	14
EX4	190	2	2	2	2	2
EX5		7	7	7	7	6
EX6		17	17	17	16	15
EX4	180	3	2	2	2	2
EX5		8	8	7	7	7
EX6		18	18	18	17	17
EX4	170	3	3	2	2	2
EX5		8	8	8	7	7
EX6		18	18	18	18	17
EX4	160	3	3	3	3	3
EX5		8	8	8	8	8
EX6		18	19	19	18	18
EX4	150	2	2	3	3	3
EX5		7	8	8	8	8
EX6		18	18	18	18	18

R-744 Extended Capacities (Tons) - EX4-8 Series, as expansion and liquid injection valves

The following tables provide the capacity of valves at different conditions considering 20 psi pressure drop through liquid line:

Valve Type	Condensing Temperature (°F)	Evaporating Temperature (°F)						
		10	0	-10	-20	-30	-40	-50
EX4	30	6	7	8	9	10	10	10
EX5		18	22	25	27	29	30	31
EX6		43	53	60	65	70	73	75
EX7		117	145	165	179	191	200	206
EX8		312	388	439	479	510	534	549
EX4	20	-	6	7	8	9	9	10
EX5		-	18	22	25	27	29	30
EX6		-	43	53	60	65	69	72
EX7		-	119	145	164	178	189	197
EX8		-	319	387	437	476	506	526
EX4	10	-	-	6	7	8	9	9
EX5		-	-	18	22	25	27	29
EX6		-	-	43	53	60	65	68
EX7		-	-	119	145	163	178	187
EX8		-	-	318	386	436	474	500
EX4	0	-	-	-	6	7	8	9
EX5		-	-	-	17	21	24	26
EX6		-	-	-	41	51	58	63
EX7		-	-	-	114	140	159	172
EX8		-	-	-	303	373	423	458
EX4	-10	-	-	-	-	5	7	8
EX5		-	-	-	-	17	20	23
EX6		-	-	-	-	40	49	55
EX7		-	-	-	-	109	134	152
EX8		-	-	-	-	290	359	405
EX4	-20	-	-	-	-	3	5	6
EX5		-	-	-	-	19	16	20
EX6		-	-	-	-	22	38	47
EX7		-	-	-	-	61	104	129
EX8		-	-	-	-	163	278	344
EX4	-30	-	-	-	-	-	3	5
EX5		-	-	-	-	-	8	15
EX6		-	-	-	-	-	19	35
EX7		-	-	-	-	-	53	96
EX8		-	-	-	-	-	142	257

EX4-8 Nominal capacities (Tons) - as hot gas bypass regulator

Valve Type	R-22/R-407C	R-134a	R-404A/R-507
EX4	1.4	1.0	1.3
EX5	4.5	3.1	4.3
EX6	10.5	7.3	10.1
EX7	37.3	26.0	35.7
EX8	113.0	79.0	108.5

The nominal capacity is based on the following conditions:

Refrigerant	Evaporating Temperature	Condensing Temperature	Subcooling
R-22, R-134a, R-404A, R-507	+40°F	+100°F	2°F
R-407C	+40°F bubble point	+100°F dew point	2°F

Remarks: Note 1: Bi-flow versions are not released for hot gas bypass applications.
Note 2: EX4, EX5, EX6, EX7 and EX8 must be installed with motor downward in hot gas line applications.
This insures the valve life expectancy.

Extended Capacities (Tons) - EX4-8 Series

Valve Type	Liquid / Condensing Temperature°F	R-22 / R-407C	R-134a	R-404A / R-507
EX4	140 bubble point for all refrigerants (147 dew point for R-407C)	2	1	2
EX5		7	5	6
EX6		15	11	13
EX7		54	38	46
EX8		165	117	139
EX4	130 bubble point for all refrigerants (138 dew point for R-407C)	2	1	2
EX5		6	4	5
EX6		14	10	12
EX7		49	35	44
EX8		150	106	132
EX4	120 bubble point for all refrigerants (128 dew point for R-407C)	2	1	2
EX5		6	4	5
EX6		13	9	12
EX7		45	32	41
EX8		138	97	126
EX4	110 bubble point for all refrigerants (119 dew point for R-407C)	2	1	1
EX5		5	3	5
EX6		12	8	11
EX7		41	29	38
EX8		124	87	117

EX6-8 Nominal capacities (Tons) - as suction pressure regulator (evaporator or crankcase)

Valve Type	R-407C	R-22	R-134a	R-404A
EX6	1.1	1.1	0.9	1.0
EX7	3.8	4.0	3.0	3.5
EX8	11.5	12.2	9.2	10.5

The nominal capacity is based on the following conditions:

Refrigerant	Evaporating Temperature	Condensing Temperature	Subcooling	Pressure Drop
R-22, R-134a, R-404A	+40°F	+100°F	2°F	2 psid
R-407C	+40°F bubble point	+100°F dew point	2°F	2 psid

Remarks: Bi-flow versions are not released for use below -40°F.
EX6, EX7 and EX8 must be installed with motor downward in suction line applications.
This insures the valve life expectancy.

Multiply above nominal capacities by following factors to obtain capacities at different pressure drops:

ΔP, psid	1.5	2.0	3.0	4.5
Correction factor	0.82	1.00	1.15	1.41

Example: EX6 provides 1 ton at 2.0 psid pressure drop with R-404A: 4 psi pressure drop.

R-22 Extended Capacities (Tons) - EX6-8 Series, suction pressure regulator duty

Valve Type	Condensing Temperature °F	Evaporating Temperature °F									
		50	40	30	20	10	0	-10	-20	-30	-40
EX6	140	1	1	1	1	1	1	1	0	0	0
EX7		4	3	3	3	2	2	2	2	1	1
EX8		11	10	9	8	7	6	5	5	4	3
EX6	130	1	1	1	1	1	1	1	0	0	0
EX7		4	3	3	3	3	2	2	2	1	1
EX8		12	11	10	8	8	7	6	5	4	4
EX6	120	1	1	1	1	1	1	1	0	0	0
EX7		4	4	3	3	3	2	2	2	1	1
EX8		12	11	10	9	8	7	6	5	4	4
EX6	110	1	1	1	1	1	1	1	1	0	0
EX7		4	4	3	3	3	2	2	2	2	1
EX8		13	12	11	9	8	7	6	6	5	4
EX6	100	1	1	1	1	1	1	1	1	0	0
EX7		4	4	4	3	3	3	2	2	2	1
EX8		14	12	11	10	9	8	7	6	5	4

R-407C Extended Capacities (Tons) - EX6-8 Series, suction pressure regulator duty

Valve Type	Condensing Temperature Bubble Point °F	Evaporating Temperature °F				
		50	40	30	20	10
EX6	140	1	1	1	1	1
EX7		3	3	3	2	2
EX8		10	9	8	7	6
EX6	130	1	1	1	1	1
EX7		4	3	3	2	2
EX8		11	9	8	7	7
EX6	120	1	1	1	1	1
EX7		4	3	3	3	2
EX8		12	10	9	8	7
EX6	110	1	1	1	1	1
EX7		4	4	3	3	2
EX8		12	11	10	8	8
EX6	100	1	1	1	1	1
EX7		4	4	3	3	3
EX8		13	11	10	9	8

R-134a Extended Capacities (Tons) - EX6-8 Series, suction pressure regulator duty

Valve Type	Condensing Temperature °F	Evaporating Temperature °F				
		50	40	30	20	10
EX6	140	1	1	1	1	0
EX7		3	2	2	2	2
EX8		8	7	6	5	5
EX6	130	1	1	1	1	0
EX7		3	3	2	2	2
EX8		9	8	7	6	5
EX6	120	1	1	1	1	1
EX7		3	3	2	2	2
EX8		9	8	7	6	5
EX6	110	1	1	1	1	1
EX7		3	3	3	2	2
EX8		10	9	8	7	6
EX6	100	1	1	1	1	1
EX7		3	3	3	2	2
EX8		11	9	8	7	6

R-404A/R-507 Extended Capacities (Tons) - EX6-8 Series, suction pressure regulator duty

Valve Type	Condensing Temperature °F	Evaporating Temperature °F									
		50	40	30	20	10	0	-10	-20	-30	-40
EX6	140	1	1	1	0	0	0	0	0	0	0
EX7		3	2	2	2	2	1	1	1	1	1
EX8		8	7	6	5	5	4	3	3	2	2
EX6	130	1	1	1	1	1	0	0	0	0	0
EX7		3	3	2	2	2	2	1	1	1	1
EX8		9	8	7	6	5	5	4	3	3	2
EX6	120	1	1	1	1	1	0	0	0	0	0
EX7		3	3	3	2	2	2	1	1	1	1
EX8		10	9	8	7	6	5	4	4	3	3
EX6	110	1	1	1	1	1	1	0	0	0	0
EX7		4	3	3	2	2	2	2	1	1	1
EX8		11	10	9	8	7	6	5	4	4	3
EX6	100	1	1	1	1	1	1	1	0	0	0
EX7		4	3	3	3	2	2	2	2	1	1
EX8		12	11	9	8	7	6	5	5	4	3

EX5-8 Nominal capacities (Tons) - as condensing pressure regulator and liquid duty

Valve Type	R-407C	R-22	R-134a	R-404A
EX5	5	6	5	4
EX6	12	13	12	9
EX7	44	46	43	31
EX8	133	140	131	93

Refrigerant	Evaporating Temperature	Condensing Temperature	Subcooling	Pressure Drop
R-22, R-134a, R-404A	+40°F	+100°F	2°F	5 psid
R-407C	+40°F dew point	+100°F bubble	2°F	5 psid

Multiply above nominal capacities by following factors to obtain capacities at different pressure drops.

ΔP, psid	2.0	3.0	5.0
Correction factor	0.65	0.76	1.00

R-22 Extended Capacities (Tons) - EX5-8 Series, condensing pressure regulator and liquid duty

Valve Type	Condensing Temperature °F	Evaporating Temperature °F									
		50	40	30	20	10	0	-10	-20	-30	-40
EX5	140	4	4	4	4	4	4	4	4	4	4
EX6		10	10	10	10	10	9	9	9	9	9
EX7		36	36	35	35	34	33	33	32	31	31
EX8		111	109	107	105	104	102	100	98	96	94
EX5	130	5	5	5	4	4	4	4	4	4	4
EX6		11	11	11	10	10	10	10	10	10	9
EX7		39	38	38	37	37	36	35	35	34	33
EX8		118	116	115	113	111	109	107	105	103	101
EX5	120	5	5	5	5	5	5	5	5	4	4
EX6		12	12	11	11	11	11	11	10	10	10
EX7		42	41	41	40	39	39	38	37	37	36
EX8		126	125	123	121	119	117	115	113	111	109
EX5	110	5	5	5	5	5	5	5	5	5	5
EX6		12	12	12	12	12	12	11	11	11	11
EX7		44	43	43	42	42	41	40	40	39	38
EX8		133	132	130	128	126	124	122	120	118	116
EX5	100	6	6	6	5	5	5	5	5	5	5
EX6		13	13	13	13	12	12	12	12	12	11
EX7		47	46	46	45	44	44	43	42	41	41
EX8		142	140	138	136	134	132	130	128	126	124

R-134a Extended Capacities (Tons) - EX5-8 Series, condensing pressure regulator and liquid duty

Valve Type	Condensing Temperature °F	Evaporating Temperature °F			
		50	40	30	20
EX5	140	4	4	4	4
EX6		9	9	9	8
EX7		33	32	31	30
EX8		100	98	95	92
EX5	130	4	4	4	4
EX6		10	10	9	9
EX7		36	35	34	33
EX8		108	105	102	99
EX5	120	5	5	4	4
EX6		11	11	10	10
EX7		39	38	37	36
EX8		117	115	112	108
EX5	110	5	5	5	5
EX6		12	11	11	11
EX7		41	40	39	38
EX8		125	122	119	116
EX5	100	5	5	5	5
EX6		12	12	12	12
EX7		44	43	42	41
EX8		134	131	128	125

R-1404A/R-507 Extended Capacities (Tons) - EX5-8 Series, condensing pressure regulator and liquid duty

Valve Type	Condensing Temperature °F	Evaporating Temperature °F									
		50	40	30	20	10	0	-10	-20	-30	-40
EX5	140	2	2	2	2	2	2	2	2	2	2
EX6		5	5	5	5	5	4	4	4	4	4
EX7		19	19	18	17	17	16	15	14	13	13
EX8		59	57	55	52	50	48	45	43	41	38
EX5	130	3	3	3	2	2	2	2	2	2	2
EX6		6	6	6	6	5	5	5	5	5	4
EX7		22	22	21	20	19	19	18	17	16	15
EX8		68	66	63	61	59	56	54	52	49	47
EX5	120	3	3	3	3	3	3	3	2	2	2
EX6		7	7	7	7	6	6	6	6	5	5
EX7		26	25	24	23	23	22	21	20	19	19
EX8		78	76	73	71	69	66	64	61	59	56
EX5	110	3	3	3	3	3	3	3	3	3	3
EX6		8	8	8	7	7	7	7	6	6	6
EX7		28	28	27	26	25	24	23	23	22	21
EX8		86	84	81	79	77	74	71	69	66	64
EX5	100	4	4	4	4	3	3	3	3	3	3
EX6		9	9	8	8	8	8	7	7	7	7
EX7		31	31	30	29	28	27	26	26	25	24
EX8		95	93	91	88	86	83	80	78	75	73

R-407C Extended Capacities (Tons) - EX5-8 Series, condensing pressure regulator and liquid duty

Valve Type	Condensing Temperature Dew Point °F	Evaporating Temperature °F			
		50	40	30	20
EX5	140	4	4	4	4
EX6		9	9	9	8
EX7		32	32	31	30
EX8		98	96	94	91
EX5	130	4	4	4	4
EX6		10	10	9	9
EX7		35	34	34	33
EX8		106	105	102	100
EX5	120	5	5	4	4
EX6		11	11	10	10
EX7		38	38	37	36
EX8		117	115	112	110
EX5	110	5	5	5	5
EX6		12	11	11	11
EX7		41	40	40	39
EX8		125	123	120	118
EX5	100	5	5	5	5
EX6		12	12	12	12
EX7		44	44	43	42
EX8		135	133	130	128

EX6-8 Nominal capacities (Tons) - for hot gas flow such as heat reclaim application

Valve Type	R-22 / R-407C	R-404A / R-507
EX6	3.1	2.8
EX7	11.1	10.2
EX8	33.8	30.7

The nominal capacity is based on the following conditions:

Refrigerant	Evaporating temperature	Condensing temperature	Subcooling	Pressure Drop	Isentropic Efficiency
R-22, R-404A, R-507	+40°F	+100°F	2°F	2 psid	80%
R-407C	+40°F bubble point	+100°F dew point	2°F	2 psid	80%

Remarks: Bi-flow versions are not released for hot gas flow applications.
EX6, EX7 and EX8 must be installed with motor downward in suction line applications.
This insures the valve life expectancy.

R-22/R-407C Extended Capacities (Tons) - EX6-8 Series, hot gas flow such as heat reclaim application

Valve Type	Condensing Temperature °F	Pressure Drop psi	Evaporating Temperature °F											
			60	50	40	30	20	10	0	-10	-20	-30	-40	-50
EX6	140	1.5	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.1
EX7			5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0
EX8			17.0	16.6	16.2	15.7	15.3	14.8	14.4	13.9	13.4	13.0	12.5	12.0
EX6		7	3.4	3.3	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4
EX7			12.2	11.9	11.6	11.3	10.9	10.6	10.3	10.0	9.6	9.3	9.0	8.6
EX8			37.0	36.1	35.2	34.2	33.3	32.3	31.3	30.3	29.3	28.2	27.2	26.2
EX6		14	4.8	4.7	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.7	3.5	3.4
EX7			17.3	16.9	16.4	16.0	15.6	15.1	14.6	14.2	13.7	13.2	12.7	12.3
EX8			52.5	51.3	49.9	48.6	47.3	45.9	44.5	43.0	41.6	40.2	38.7	37.3
EX6	120	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.1
EX7			5.5	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.3	4.1	4.0
EX8			16.6	16.2	15.8	15.4	15.0	14.6	14.2	13.8	13.4	12.9	12.5	12.1
EX6		7	3.3	3.3	3.2	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4
EX7			11.8	11.6	11.3	11.0	10.7	10.4	10.1	9.9	9.6	9.3	8.9	8.6
EX8			35.9	35.1	34.3	33.5	32.6	31.7	30.8	29.9	29.0	28.1	27.2	26.2
EX6		14	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.4
EX7			16.8	16.4	16.0	15.6	15.2	14.8	14.4	14.0	13.5	13.1	12.7	12.3
EX8			50.9	49.7	48.6	47.4	46.2	44.9	43.7	42.4	41.1	39.8	38.5	37.2
EX6	100	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1
EX7			5.2	5.1	5.0	4.9	4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.9
EX8			15.8	15.4	15.1	14.7	14.4	14.0	13.7	13.3	12.9	12.5	12.2	11.8
EX6		7	3.2	3.1	3.0	3.0	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.4
EX7			11.2	11.0	10.7	10.5	10.2	10.0	9.7	9.5	9.2	8.9	8.7	8.4
EX8			34.1	33.4	32.6	31.9	31.1	30.4	29.6	28.8	28.0	27.1	26.3	25.5
EX6		14	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3
EX7			15.8	15.5	15.2	14.8	14.5	14.1	13.7	13.4	13.0	12.6	12.2	11.8
EX8			48.0	47.0	46.0	45.0	43.9	42.8	41.7	40.6	39.5	38.3	37.2	36.0
EX6	80	1.5	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.0
EX7			4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7
EX8			14.7	14.4	14.1	13.8	13.5	13.2	12.8	12.5	12.2	11.9	11.5	11.2
EX6		7	2.9	2.9	2.8	2.8	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2
EX7			10.4	10.2	10.0	9.8	9.6	9.3	9.1	8.9	8.6	8.4	8.2	7.9
EX8			31.6	31.0	30.4	29.7	29.0	28.4	27.7	27.0	26.3	25.6	24.8	24.1
EX6		14	4.0	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.4	3.3	3.2	3.1
EX7			14.6	14.3	14.0	13.7	13.4	13.1	12.8	12.5	12.1	11.8	11.5	11.1
EX8			44.3	43.4	42.6	41.7	40.7	39.8	38.8	37.9	36.9	35.9	34.8	33.8

R-404A/R-507 Extended Capacities (Tons) - EX6-8 Series, hot gas flow such a heat reclaim applications

Valve Type	Condensing Temperature °F	Pressure Drop psi	Evaporating Temperature °F											
			60	50	40	30	20	10	0	-10	-20	-30	-40	-50
EX6	140	1.5	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6
EX7			4.2	4.1	3.9	3.7	3.5	3.3	3.2	3.0	2.8	2.6	2.4	2.2
EX8			12.8	12.3	11.8	11.3	10.7	10.1	9.6	9.0	8.4	7.8	7.2	6.6
EX6		7	2.6	2.5	2.4	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.4	1.3
EX7			9.2	8.8	8.4	8.1	7.7	7.3	6.8	6.4	6.0	5.6	5.2	4.7
EX8			27.8	26.7	25.6	24.5	23.3	22.0	20.8	19.5	18.2	16.9	15.6	14.4
EX6		14	3.6	3.4	3.3	3.2	3.0	2.8	2.7	2.5	2.4	2.2	2.0	1.9
EX7			13.0	12.5	12.0	11.4	10.9	10.3	9.7	9.1	8.5	7.9	7.3	6.7
EX8			39.4	37.9	36.3	34.7	33.0	31.3	29.5	27.7	25.9	24.1	22.2	20.4
EX6	120	1.5	1.3	1.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8
EX7			4.6	4.5	4.3	4.2	4.0	3.8	3.7	3.5	3.3	3.2	3.0	2.8
EX8			14.0	13.6	13.1	12.7	12.2	11.7	11.2	10.7	10.1	9.6	9.1	8.5
EX6		7	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7
EX7			10.0	9.7	9.4	9.0	8.7	8.3	8.0	7.6	7.2	6.9	6.5	6.1
EX8			30.4	29.5	28.5	27.5	26.4	25.4	24.3	23.1	22.0	20.9	19.7	18.6
EX6		14	3.9	3.8	3.7	3.5	3.4	3.3	3.1	3.0	2.8	2.7	2.5	2.4
EX7			14.1	13.7	13.3	12.8	12.3	11.8	11.3	10.8	10.3	9.7	9.2	8.7
EX8			43.0	41.7	40.3	38.9	37.4	35.9	34.4	32.8	31.2	29.6	28.0	26.3
EX6	100	1.5	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	0.9	0.9
EX7			4.7	4.6	4.4	4.3	4.2	4.0	3.9	3.7	3.6	3.4	3.3	3.1
EX8			14.2	13.9	13.5	13.1	12.7	12.2	11.8	11.4	10.9	10.4	10.0	9.5
EX6		7	2.9	2.8	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1	2.0	1.9
EX7			10.1	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.4	7.1	6.8
EX8			30.8	30.0	29.2	28.3	27.4	26.5	25.5	24.6	23.6	22.6	21.6	20.6
EX6		14	4.0	3.9	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.8	2.6
EX7			14.3	13.9	13.5	13.1	12.7	12.3	11.9	11.4	11.0	10.5	10.0	9.6
EX8			43.5	42.3	41.2	39.9	38.7	37.4	36.1	34.7	33.3	31.9	30.5	29.1
EX6	80	1.5	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	0.9	0.9
EX7			4.6	4.5	4.4	4.2	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.2
EX8			13.9	13.6	13.3	12.9	12.6	12.2	11.8	11.4	11.0	10.6	10.2	9.8
EX6		7	2.8	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.0	2.0
EX7			9.9	9.6	9.4	9.2	8.9	8.7	8.4	8.1	7.8	7.6	7.3	7.0
EX8			30.0	29.3	28.6	27.8	27.1	26.3	25.5	24.7	23.8	22.9	22.1	21.2
EX6		14	3.8	3.7	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.8	2.7
EX7			13.9	13.5	13.2	12.9	12.5	12.2	11.8	11.4	11.0	10.6	10.2	9.8
EX8			42.1	41.1	40.1	39.1	38.0	36.9	35.8	34.7	33.5	32.3	31.1	29.8

R-404A/R-507 Extended Capacities (kWatts) EX4-8 Series, as expansion and liquid injection valves

Valve Type	Condensing Temperature (°C)	Evaporating Temperature (°C)												
		+15	10+	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX4	+60	9	9	9	9	9	9	9	8	8	8	7	7	6
EX5		28	28	28	28	28	27	26	25	24	23	22	21	20
EX6		68	68	68	67	66	65	63	61	58	56	33	50	47
EX7		186	187	186	184	181	177	172	166	160	153	145	137	129
EX8		495	498	496	491	482	471	458	443	425	407	387	366	344
EX4	+55	10	10	10	10	10	10	10	9	9	9	8	8	8
EX5		30	31	31	31	30	30	29	29	28	27	26	25	23
EX6		72	73	74	74	73	72	70	69	67	64	62	59	56
EX7		198	201	202	202	200	197	193	188	182	176	169	162	154
EX8		527	535	538	537	533	525	514	501	486	470	451	432	411
EX4	+50	10	10	11	11	11	11	10	10	10	10	9	9	9
EX5		31	32	32	32	32	32	32	31	30	30	29	28	27
EX6		74	76	77	78	78	77	76	75	73	71	69	66	64
EX7		203	208	211	213	219	211	208	204	200	194	188	181	174
EX8		541	555	564	567	567	562	555	545	532	518	501	484	465
EX4	+45	10	10	11	11	11	11	11	11	11	10	10	10	9
EX5		31	32	33	33	33	33	33	33	32	32	31	30	29
EX6		74	77	79	80	80	80	80	79	78	76	74	72	69
EX7		201	210	215	219	220	220	219	216	212	208	202	196	190
EX8		537	559	574	583	587	586	582	575	566	553	539	524	506
EX4	+40	10	10	11	11	11	11	11	11	11	11	11	10	10
EX5		29	31	33	33	34	34	34	34	34	33	32	32	31
EX6		71	75	78	80	81	82	82	81	81	79	78	76	74
EX7		193	205	214	219	223	225	225	223	221	217	213	208	202
EX8		515	547	570	585	594	598	598	595	588	578	567	553	538
EX4	+35	9	10	10	11	11	11	11	11	11	11	11	11	11
EX5		27	30	31	33	34	34	34	34	34	34	33	33	32
EX6		65	71	75	79	81	82	83	83	82	81	80	79	77
EX7		178	195	207	215	221	225	226	226	225	223	219	215	210
EX8		474	519	551	574	590	599	603	604	600	594	585	573	560
EX4	+30	8	9	10	10	11	11	11	11	11	11	11	11	11
EX5		23	27	30	31	33	34	34	34	34	34	34	33	33
EX6		56	65	71	75	78	81	82	83	83	82	81	80	79
EX7		153	177	194	206	215	221	224	226	226	225	223	219	215
EX8		409	472	517	550	573	588	598	603	603	600	593	584	573

R-404A/R-507 Extended Capacities (kWatts) EX4-8 Series, as expansion and liquid injection valves

Valve Type	Condensing Temperature (°C)	Evaporating Temperature (°C)												
		+15	10+	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX4	+25	6	8	9	10	10	11	11	11	11	11	11	11	11
EX5		17	23	27	29	31	32	33	34	34	34	34	34	33
EX6		42	55	64	70	74	78	80	81	82	82	81	80	79
EX7		114	150	174	191	204	213	218	222	224	224	223	220	217
EX8		305	400	465	510	543	566	582	592	596	597	593	587	579
EX4	+20	1	5	7	8	9	10	10	11	11	11	11	11	11
EX5		3	16	22	26	28	30	32	33	33	33	33	33	33
EX6		8	40	53	62	68	73	76	78	80	80	80	80	79
EX7		21	108	146	170	187	200	208	214	218	219	220	218	216
EX8		56	289	388	453	499	532	555	571	580	585	585	582	576
EX4	+15			5	7	8	9	10	10	10	11	11	11	11
EX5				15	21	25	28	29	31	32	32	32	33	32
EX6				37	51	60	66	71	74	76	77	78	78	78
EX7				101	139	164	181	194	202	208	212	213	214	213
EX8				268	371	437	484	516	540	555	564	569	569	566
EX4	+10				5	7	8	9	9	10	10	10	10	10
EX5					14	20	24	26	28	30	31	31	31	31
EX6					33	48	57	64	68	71	73	75	75	75
EX7					91	131	156	174	186	195	201	204	206	206
EX8					242	350	417	464	496	519	535	544	548	549

R-22 Extended Capacities (kWatts) EX4-8 Series, as expansion and liquid injection valves

Valve Type	Condensing Temperature (°C)	Evaporating Temperature (°C)												
		+15	+10	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX4	+20		6	9	10	12	13	13	14	14	15	15	15	15
EX5			18	26	32	36	39	41	42	44	45	45	45	46
EX6			43	63	76	85	93	98	102	105	107	108	109	109
EX7			117	173	209	235	254	269	280	288	294	298	300	300
EX8			312	461	557	627	678	718	747	768	784	793	799	801
EX4	+15			5	8	10	11	12	13	13	14	14	14	14
EX5				15	24	30	34	37	39	40	42	42	43	43
EX6				37	58	71	81	88	93	97	100	102	103	104
EX7				101	160	196	222	241	256	266	274	279	283	285
EX8				269	426	524	593	644	682	710	731	745	754	759
EX4	+10				4	7	9	10	11	12	13	13	13	13
EX5					12	22	28	31	34	36	38	39	40	40
EX6					29	53	66	76	82	87	91	94	96	97
EX7					80	145	182	208	227	241	251	258	263	267
EX8					214	386	485	554	604	642	669	689	702	711

R-134a Extended Capacities (kWatts) EX4-8 Series, as expansion and liquid injection valves

Valve Type	Condensing Temperature °C	Extended capacity (kW) Evaporating Temperature (°C)												
		+15	+10	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX4	+60	13	13	13	13	13	13	12	12	12	12	11	11	11
EX5		39	39	39	39	39	39	38	37	36	35	34	33	32
EX6		93	94	94	94	93	92	90	89	87	84	82	79	77
EX7		255	257	258	257	255	252	248	243	237	231	224	217	210
EX8		679	686	688	686	680	672	661	648	633	616	598	580	560
EX4	+55	12	13	13	13	13	13	13	12	12	12	12	11	11
EX5		38	39	39	39	39	39	38	38	37	36	35	34	33
EX6		91	92	93	94	93	93	92	90	88	86	84	82	80
EX7		249	253	256	257	256	254	251	247	242	237	231	225	218
EX8		663	676	683	685	683	678	670	659	647	632	616	599	582
EX4	+50	12	12	13	13	13	13	13	12	12	12	12	12	11
EX5		36	38	38	39	39	39	38	38	37	37	36	35	34
EX6		87	90	91	92	93	92	92	91	89	88	86	84	81
EX7		238	246	250	253	254	253	251	249	245	240	235	229	223
EX8		636	655	668	675	677	676	671	663	653	640	627	611	595
EX4	+45	11	12	12	12	12	13	12	12	12	12	12	12	11
EX5		34	36	37	38	38	38	38	38	37	37	36	35	35
EX6		81	85	88	90	91	91	91	90	89	88	86	84	82
EX7		223	234	241	246	248	249	249	247	244	240	236	231	226
EX8		595	623	642	655	662	664	663	658	651	641	629	616	602
EX4	+40	10	11	11	12	12	12	12	12	12	12	12	12	11
EX5		31	33	35	36	37	37	37	37	37	36	36	35	34
EX6		74	79	83	85	87	88	89	88	88	87	85	84	82
EX7		202	217	227	234	239	242	243	242	240	238	234	230	225
EX8		539	578	606	625	638	645	647	646	641	634	625	614	601
EX4	+35	9	10	10	11	11	12	12	12	12	12	12	11	11
EX5		27	30	32	34	35	35	36	36	36	36	35	35	34
EX6		63	71	76	80	83	84	85	86	85	85	84	83	81
EX7		173	194	209	219	226	231	234	235	234	232	230	227	223
EX8		463	517	556	584	604	616	623	625	624	620	613	604	594
EX4	+30	7	8	9	10	11	11	11	11	11	11	11	11	11
EX5		20	25	28	30	32	33	34	34	34	34	34	34	33
EX6		49	60	67	73	76	79	81	82	82	82	81	80	79
EX7		133	164	184	199	210	217	221	224	225	224	223	221	217
EX8		356	436	492	534	559	578	590	597	600	599	595	588	580
EX4	+25	3	6	8	9	9	10	10	11	11	11	11	11	11
EX5		10	18	23	26	29	30	31	32	33	33	33	32	32
EX6		23	121	152	137	188	198	206	210	213	214	213	212	210
EX7		63	121	152	173	188	198	206	210	213	214	213	212	210
EX8		169	322	406	462	501	529	548	560	567	570	569	565	559
EX4	+20		2	5	7	8	9	9	10	10	10	10	10	10
EX5			5	16	21	25	27	28	29	30	31	31	31	31
EX6			12	38	51	58	64	68	70	72	73	73	73	73
EX7			34	105	139	160	175	186	193	197	200	201	201	199
EX8			90	281	370	427	467	495	514	526	533	536	535	532
EX4	+15				4	6	7	8	9	9	9	9	9	9
EX5					13	19	22	25	26	27	28	28	29	29
EX6					32	45	53	59	62	65	67	68	68	68
EX7					87	123	145	161	171	178	183	186	187	187
EX8					231	328	388	428	456	475	488	495	498	498
EX4	+10					3	5	6	7	8	8	8	9	9
EX5						9	16	20	22	24	25	26	26	26
EX6						22	38	47	52	56	59	61	62	62
EX7						61	104	128	144	155	162	167	170	171
EX8						162	277	341	384	413	432	445	452	455

R-407C Extended Capacities (kWatts) EX4-8 Series, as expansion and liquid injection valves

Valve Type	Condensing Temperature°C		Evaporating Temperature (°C)												
	Dew Point	Bubble Point	+15	+10	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX4	+64	+60	16	17	17	17	17	17	16	16	16	15	15	15	14
EX5			50	51	51	51	51	50	50	49	48	47	46	45	43
EX6			119	120	121	121	121	119	118	116	114	112	109	106	103
EX7			328	332	333	333	332	329	325	320	314	308	301	293	285
EX8			874	884	889	889	885	877	867	854	838	821	802	781	759
EX4	+59	+55	17	17	17	17	17	17	17	17	16	16	16	15	15
EX5			50	51	52	52	52	52	51	51	50	49	48	47	46
EX6			120	122	123	124	124	123	122	121	119	117	114	112	109
EX7			330	336	339	341	341	339	336	332	328	322	315	308	301
EX8			879	895	904	909	908	904	897	886	873	858	840	821	801
EX4	+54	+50	16	17	17	17	17	17	17	17	17	17	16	16	16
EX5			50	51	52	52	53	53	52	52	51	51	50	49	48
EX6			118	121	123	125	125	125	125	123	122	120	118	116	113
EX7			326	334	340	343	345	345	343	340	336	331	325	319	312
EX8			869	891	906	915	919	919	914	907	896	883	868	851	832
EX4	+50	+45	16	16	17	17	17	17	17	17	17	17	17	16	16
EX5			48	50	51	52	53	53	53	52	52	51	51	50	49
EX6			115	119	122	124	125	125	125	125	124	122	120	118	116
EX7			316	327	336	341	344	346	345	344	341	337	332	326	320
EX8			843	873	894	909	918	921	920	916	908	897	884	869	853
EX4	+45	+40	15	16	16	17	17	17	17	17	17	17	17	17	16
EX5			46	48	50	51	52	52	52	52	52	52	51	50	49
EX6			109	114	118	121	123	124	125	125	124	123	121	120	118
EX7			300	315	326	334	339	342	344	343	341	338	334	330	324
EX8			801	840	870	891	905	913	916	915	910	902	891	878	864
EX4	+40	+35	14	15	16	16	17	17	17	17	17	17	17	17	16
EX5			42	45	48	49	50	51	52	52	52	51	51	50	50
EX6			101	108	113	117	120	122	123	123	123	122	121	120	118
EX7			278	297	312	323	330	335	338	339	338	337	334	330	325
EX8			742	793	832	860	880	894	901	904	902	897	889	879	866

R-407C Extended Capacities (kWatts) EX4-8 Series, as expansion and liquid injection valves

Valve Type	Condensing Temperature°C		Evaporating Temperature (°C)												
	Dew Point	Bubble Point	+15	+10	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX4	+35	+30	12	14	15	15	16	16	16	17	17	17	17	16	16
EX5			38	42	45	47	48	49	50	51	51	51	50	50	49
EX6			90	99	106	111	115	118	119	120	121	120	120	119	117
EX7			248	273	292	306	317	324	329	331	332	331	329	326	323
EX8			661	729	779	817	844	864	876	883	885	884	878	870	860
EX4	+30	+25	10	12	13	14	15	15	16	16	16	16	16	16	16
EX5			32	37	41	44	46	47	48	49	49	49	49	49	48
EX6			75	88	97	103	108	112	115	116	117	117	117	116	115
EX7			207	241	266	285	299	309	316	320	322	323	322	320	317
EX8			552	644	710	760	796	823	841	853	860	861	859	854	846
EX4	+26	+20	7	10	12	13	14	14	15	15	16	16	16	16	15
EX5			23	30	36	39	42	44	46	47	47	48	48	48	47
EX6			54	72	85	94	100	105	108	111	112	113	113	113	112
EX7			148	199	233	258	276	289	299	305	309	312	312	311	309
EX8			395	530	621	687	735	770	796	814	825	831	832	829	824
EX4	+21	+15		7	9	11	12	13	14	14	15	15	15	15	15
EX5				21	29	34	38	40	42	44	45	45	46	46	46
EX6				50	69	81	90	96	101	104	106	108	108	108	108
EX7				137	189	223	247	265	277	287	293	297	299	299	298
EX8				365	503	594	658	705	740	764	781	791	796	796	795
EX4	+16	+10			6	9	11	12	13	13	14	14	14	14	14
EX5					19	27	32	36	38	40	42	43	43	43	43
EX6					45	64	76	85	91	96	99	101	103	103	103
EX7					123	176	210	234	251	264	273	279	282	282	284
EX8					329	470	561	624	670	704	727	743	753	753	758

R-410A Extended Capacities (kWatts) EX4-8 Series, as expansion and liquid injection valves

Valve Type	Condensing Temperature °C	Evaporating Temperature (°C)												
		+15	+10	+5	0	-5	-10	-15	-20	18	-30	-35	-40	-45
EX4	+30	13	15	16	17	18	19	20	20	20	20	20	20	20
EX5		38	44	49	52	55	57	59	60	61	61	61	61	61
EX6		93	107	118	126	133	138	142	145	147	148	148	148	147
EX7		255	294	325	348	366	380	390	398	403	406	407	406	405
EX8		680	786	866	928	976	1013	1041	1061	1075	1083	1086	1084	1079
EX4	+25	10	13	15	16	17	18	19	19	20	20	20	20	20
EX5		29	38	44	48	52	54	56	58	59	60	60	60	60
EX6		71	91	106	117	125	131	136	140	143	144	145	146	145
EX7		195	251	291	321	344	361	375	385	392	397	399	400	399
EX8		520	669	775	855	916	964	1000	1027	1046	1058	1065	1067	1065
EX4	+20	4	9	12	14	16	17	18	18	19	19	19	20	20
EX5		13	28	37	43	47	51	53	55	57	58	58	59	59
EX6		31	68	89	103	114	122	129	133	137	139	141	142	142
EX7		84	188	244	284	314	337	354	367	377	383	388	390	390
EX8		225	501	652	758	837	898	944	979	1005	1023	1034	1040	1042
EX4	+15		3	9	12	14	15	16	17	18	18	19	19	19
EX5			10	27	36	42	46	49	52	54	55	56	57	57
EX6			23	65	86	100	111	119	125	130	133	135	137	137
EX7			64	178	236	276	305	327	344	357	366	372	376	378
EX8			172	475	629	735	813	873	917	951	976	992	1003	1008
EX4	+10			1	8	11	13	15	16	17	17	18	18	18
EX5				4	25	34	40	44	47	50	52	53	54	55
EX6				10	60	82	96	107	115	121	125	128	130	132
EX7				28	166	225	265	294	315	332	344	352	358	362
EX8				76	443	600	706	783	841	885	917	940	956	965

R-410A Extended Capacities (kWatts) EX4-8 Series, as expansion and liquid injection valves

Valve Type	Condensing Temperature °C	Evaporating Temperature (°C)												
		+15	+10	+5	0	-5	-10	-15	-20	18	-30	-35	-40	-45
EX4	+60	17	17	18	18	18	18	18	18	18	18	17	17	17
EX5		51	52	53	54	54	54	54	54	53	53	52	51	50
EX6		123	126	129	130	131	131	131	130	129	127	125	123	120
EX7		339	348	354	358	360	361	360	358	354	350	344	338	331
EX8		-	-	-	-	-	-	-	-	-	-	-	-	-
EX4	+55	18	18	19	19	19	19	19	19	19	19	19	18	18
EX5		53	55	56	57	57	58	58	58	57	57	56	55	54
EX6		127	132	135	137	138	139	139	139	138	137	135	133	131
EX7		350	362	370	377	381	383	383	382	380	377	372	366	360
EX8		935	965	988	1005	1016	1021	1023	1020	1014	1005	992	978	961
EX4	+50	18	18	19	19	20	20	20	20	20	20	20	19	19
EX5		53	55	57	58	59	60	60	60	60	59	59	58	57
EX6		128	133	137	140	142	144	145	145	144	143	142	140	138
EX7		351	366	377	386	392	396	398	398	397	394	391	386	380
EX8		936	975	1006	1029	1045	1056	1061	1062	1059	1052	1043	1030	1015
EX4	+45	17	18	19	19	20	20	20	20	20	20	20	20	20
EX5		52	54	57	58	60	60	61	61	61	61	61	60	59
EX6		124	131	136	141	144	146	147	148	148	147	146	145	143
EX7		342	361	375	387	395	401	405	407	407	405	403	399	394
EX8		913	962	1001	1031	1054	1070	1080	1085	1085	1082	1075	1064	1052
EX4	+40	16	17	18	19	20	20	20	21	21	21	21	20	20
EX5		49	52	55	57	59	60	61	62	62	62	62	61	61
EX6		118	126	133	138	142	145	147	149	149	149	149	148	146
EX7		324	348	366	381	392	400	406	409	411	411	409	406	402
EX8		864	927	977	1015	1045	1067	1082	1091	1095	1095	1091	1084	1073
EX4	+35	15	16	18	18	19	20	20	20	21	21	21	20	20
EX5		45	49	53	55	58	59	60	61	62	62	62	62	61
EX6		108	118	127	134	139	143	146	148	149	149	149	149	148
EX7		296	326	349	368	382	393	401	406	409	411	410	409	406
EX8		789	869	932	981	1019	1048	1069	1083	1092	1095	1095	1090	1082

R-22 Extended Capacities (kWatts) EX4-8 Series, as expansion and liquid injection valves

Valve Type	Condensing Temperature (°C)	Evaporating Temperature (°C)												
		+15	+10	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX4	+60	17	17	18	18	18	18	18	18	18	17	17	17	17
EX5		51	52	53	54	54	54	54	54	53	53	52	52	51
EX6		123	126	128	129	130	130	130	129	128	127	126	124	122
EX7		337	345	351	355	357	358	357	356	353	350	345	340	335
EX8		900	921	936	946	952	954	953	948	941	932	921	908	893
EX4	+55	16	17	17	18	18	18	18	18	18	18	17	17	17
EX5		50	51	52	53	54	54	54	54	54	53	53	52	52
EX6		119	123	126	128	129	130	130	130	129	128	127	126	124
EX7		328	339	346	352	355	357	358	357	356	353	350	345	340
EX8		876	903	923	938	948	953	955	953	949	941	932	921	908
EX4	+50	16	16	17	17	18	18	18	18	18	18	18	17	17
EX5		48	50	51	52	53	54	54	54	54	54	53	53	52
EX6		114	119	123	125	127	129	129	129	129	128	127	126	125
EX7		314	327	337	345	350	354	355	356	355	353	351	347	343
EX8		838	873	899	919	933	943	948	949	947	942	935	925	914
EX4	+45	15	16	16	17	17	17	17	18	18	18	17	17	17
EX5		45	47	49	51	52	52	53	53	53	53	53	52	52
EX6		107	113	118	121	124	126	127	128	128	127	127	126	124
EX7		295	311	324	334	341	346	349	351	351	350	348	346	342
EX8		787	830	864	890	909	923	932	936	937	934	929	922	912
EX4	+40	13	15	15	16	16	17	17	17	17	17	17	17	17
EX5		41	44	46	48	50	51	52	52	52	52	52	52	51
EX6		98	106	111	116	119	122	124	125	125	125	125	124	123
EX7		270	290	306	319	328	335	340	343	345	345	344	342	339
EX8		719	774	817	850	875	894	907	915	919	919	916	911	903
EX4	+35	12	13	14	15	16	16	16	17	17	17	17	17	17
EX5		36	40	43	45	47	49	50	50	51	51	51	51	50
EX6		86	96	103	109	113	117	119	121	122	122	122	122	121
EX7		237	264	284	300	312	321	327	332	335	336	336	335	333
EX8		632	703	757	799	831	856	873	885	893	896	896	893	888
EX4	+30	10	11	13	14	15	15	16	16	16	16	16	16	16
EX5		29	35	39	42	44	46	47	48	49	49	49	49	49
EX6		70	83	93	100	106	110	113	116	117	118	118	118	118
EX7		194	229	256	276	291	303	312	318	322	325	326	326	324
EX8		516	611	682	735	776	808	831	848	859	866	869	868	865
EX4	+25	7	9	11	12	13	14	15	15	15	16	16	16	16
EX5		20	28	33	37	40	43	44	46	46	47	47	48	48
EX6		47	67	80	90	97	102	106	109	112	113	114	114	114
EX7		130	184	220	246	266	281	292	301	307	311	313	314	314
EX8		347	491	587	656	709	749	779	802	818	829	835	837	836

R-124 Extended Capacities (kWatts) EX4-8 Series, as expansion and liquid injection valves

Valve Type	Condensing Temperature °C	Evaporating Temperature (°C)						
		+30	+25	+20	+15	+10	+5	0
EX4	+100	7	7	7	6	6	6	5
EX5		22	21	20	19	18	17	16
EX6		53	51	49	47	44	42	39
EX4	+95	8	8	7	7	7	7	6
EX5		24	23	23	22	21	20	19
EX6		57	56	54	52	50	47	45
EX4	+90	8	8	8	8	7	7	7
EX5		25	25	24	24	23	22	21
EX6		61	59	58	56	54	52	50
EX4	+85	9	9	8	8	8	8	7
EX5		26	26	25	25	24	23	23
EX6		63	62	61	60	58	56	54
EX4	+80	9	9	9	8	8	8	8
EX5		27	27	26	26	25	25	24
EX6		64	63	63	62	61	59	57
EX4	+75	9	9	9	9	9	8	8
EX5		27	27	27	26	26	25	25
EX6		64	64	64	63	62	61	60
EX4	+70	9	9	9	9	9	9	8
EX5		26	26	27	27	26	26	25
EX6		62	63	64	63	63	62	61
EX4	+65	8	8	9	9	9	9	8
EX5		25	26	26	26	26	26	26
EX6		60	61	62	63	63	62	62
EX4	+60	8	8	8	8	8	8	8
EX5		23	24	25	26	26	26	26
EX6		56	58	60	61	62	62	61

R-23 Extended Capacities (kWatts) EX4-8 Series, as expansion and liquid injection valves

Valve Type	Condensing Temperature °C	Evaporating Temperature (°C)											
		-45	-50	-55	-60	-65	-70	-75	-80	-85	-90	-95	-100
EX4	-10	17	18	19	19	19	19	19	19	19	19	19	18
EX5		53	55	56	57	58	58	58	58	58	57	57	56
EX6		127	132	135	138	139	140	140	140	139	138	137	135
EX4	-15	16	17	18	18	19	19	19	19	19	19	18	18
EX5		50	52	54	55	56	57	57	57	57	57	56	55
EX6		119	125	130	133	135	137	137	137	137	136	135	134
EX4	-20	15	16	17	17	18	18	18	18	18	18	18	18
EX5		45	48	51	53	54	55	55	55	55	55	55	54
EX6		109	117	122	127	130	132	133	134	133	133	132	131
EX4	-25	13	14	15	16	17	17	17	18	18	18	18	17
EX5		40	44	47	49	51	52	53	53	53	53	53	53
EX6		96	106	113	118	122	125	127	128	129	128	128	127
EX4	-30	11	13	14	15	16	16	16	17	17	17	17	17
EX5		33	38	42	45	47	49	50	51	51	51	51	51
EX6		78	92	101	108	114	117	120	122	122	123	123	122
EX4	-35	7	10	12	13	14	15	15	16	16	16	16	16
EX5		22	30	36	40	43	45	46	47	48	48	48	48
EX6		53	73	86	96	103	108	111	114	115	116	116	116
EX4	-40		6	9	11	12	13	14	14	15	15	15	15
EX5			19	28	33	37	40	42	43	44	45	45	45
EX6			46	67	80	90	96	101	104	106	108	108	108
EX4	-45			5	8	10	11	12	13	13	13	14	14
EX5				15	25	30	34	37	39	40	41	41	41
EX6				37	60	73	82	88	93	96	98	99	100

R-744 Extended Capacities (kWatts) EX4-8 Series, as expansion and liquid injection valves

Valve Type	Condensing Temperature °C	Evaporating Temperature (°C)												
		+8	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45	-50
EX4	+10	5	12	18	22	26	29	31	33	34	35	36	37	38
EX5		15	36	55	68	79	87	94	99	104	108	110	113	114
EX6		36	86	132	164	189	208	225	238	249	257	264	269	273
EX7		99	237	362	450	518	572	617	653	683	707	726	740	750
EX8		-	-	-	-	-	-	-	-	-	-	-	-	-
EX4	+5			12	19	23	27	29	32	33	35	36	37	38
EX5				37	57	71	81	90	96	102	106	110	113	115
EX6				89	137	170	195	215	231	244	254	263	269	274
EX7				244	376	466	535	589	634	670	699	722	739	753
EX8				-	-	-	-	-	-	-	-	-	-	-
EX4	0				12	19	24	27	30	32	34	35	36	37
EX5					38	58	72	83	91	98	103	107	111	113
EX6					90	139	173	198	218	234	247	257	265	271
EX7					247	383	475	544	598	642	677	705	727	744
EX8					659	1023	1267	1452	1598	1715	1809	1883	1942	1987
EX4	-5					12	19	24	27	30	32	34	35	36
EX5						97	59	73	83	91	98	103	107	110
EX6						89	140	174	199	219	234	247	257	264
EX7						245	385	477	547	601	644	678	705	725
EX8						654	1028	1275	1460	1604	1718	1809	1881	1937
EX4	-10						12	19	24	27	30	32	34	35
EX5							36	58	72	83	91	97	102	106
EX6							87	139	173	198	217	233	245	254
EX7							239	382	475	544	597	639	671	697
EX8							639	1021	1269	1452	1594	1705	1793	1861
EX4	-15							11	19	23	27	29	31	33
EX5								35	57	71	82	89	96	100
EX6								84	137	171	195	214	229	240
EX7								229	376	468	536	588	628	660
EX8								613	1003	1250	1431	1570	1677	1761

R-744 Extended Capacities (kWatts) EX4-8 Series, as expansion and liquid injection valves

Valve Type	Condensing Temperature °C	Evaporating Temperature (°C)												
		+8	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45	-50
EX4	-20								11	18	23	26	29	31
EX5									33	56	70	80	87	93
EX6									79	133	166	191	209	223
EX7									216	365	457	523	574	613
EX8									576	974	1220	1398	1532	1636
EX4	-25									10	18	22	25	28
EX5										30	53	67	77	85
EX6										72	128	161	185	202
EX7										198	350	442	507	556
EX8										528	935	1179	1353	1483
EX4	-30										9	17	21	24
EX5											27	51	64	74
EX6											64	121	154	177
EX7											175	332	423	486
EX8											466	887	1129	1298
EX4	-35											7	16	20
EX5												22	47	61
EX6												53	113	146
EX7												145	310	400
EX8												386	828	1068
EX4	-40												5	14
EX5													16	43
EX6													37	103
EX7													103	284
EX8													275	759

R-407 Extended Capacities (EXV)

As Expansion Valve The Following Correction Factors (kt) Related To Evaporating And Condensing Temperatures Apply

Liquid temperature °C	Correction factors for EXV Evaporating temperature °C													
	+20	+15	+10	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
+65	1.51	1.53	1.55	1.58	1.61	1.64	1.68	1.71	1.75	1.80	1.85	1.90	1.96	2.02
+60	1.35	1.37	1.39	1.41	1.43	1.46	1.49	1.52	1.55	1.59	1.63	1.67	1.71	1.76
+55	1.23	1.25	1.26	1.28	1.30	1.32	1.35	1.37	1.40	1.43	1.46	1.50	1.53	1.57
+50	1.14	1.15	1.16	1.18	1.20	1.22	1.24	1.26	1.28	1.31	1.33	1.36	1.39	1.43
+45	1.06	1.07	1.08	1.10	1.11	1.13	1.14	1.16	1.18	1.20	1.23	1.25	1.28	1.31
+40	0.99	1.00	1.01	1.02	1.04	1.05	1.07	1.08	1.10	1.12	1.14	1.16	1.18	1.21
+35	0.93	0.94	0.95	0.96	0.97	0.99	1.00	1.01	1.03	1.05	1.06	1.08	1.10	1.13
+30	0.88	0.89	0.90	0.91	0.92	0.93	0.94	0.95	0.97	0.98	1.00	1.02	1.03	1.05
+25	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.93	0.94	0.96	0.97	0.99
+20	0.79	0.80	0.81	0.82	0.82	0.83	0.84	0.85	0.87	0.88	0.89	0.91	0.92	0.94
+15	0.76	0.76	0.77	0.78	0.78	0.79	0.80	0.81	0.82	0.83	0.85	0.86	0.87	0.89
+10	0.72	0.73	0.74	0.74	0.75	0.76	0.77	0.77	0.78	0.79	0.81	0.82	0.83	0.84
+5	0.69	0.70	0.70	0.71	0.72	0.72	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.80
0	0.66	0.67	0.68	0.68	0.69	0.69	0.70	0.71	0.72	0.73	0.73	0.74	0.75	0.77
-5	0.64	0.64	0.65	0.65	0.66	0.67	0.67	0.68	0.69	0.70	0.70	0.71	0.72	0.73
-10	0.62	0.62	0.62	0.63	0.63	0.64	0.65	0.65	0.66	0.67	0.68	0.68	0.69	0.70

For Applications As Expansion Valve The Following Correction Factors (kΔp) Related To The Pressure Drop At Valve Apply

Correction factors for EXVs														
ΔP (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
kΔP	3.51	2.87	2.48	2.22	2.03	1.88	1.76	1.66	1.57	1.5	1.43	1.38	1.33	1.28
ΔP (bar)	8	9	10	11	12	13	14	15	16	17	18	19	20	21
kΔP	1.24	1.17	1.11	1.06	1.01	0.97	0.94	0.91	0.88	0.85	0.83	0.81	0.79	0.77

Application Hot Gas Bypass - Nominal Capacities (kW)

Valve Type	Kv, m3/h	R22 / R407C	R134a	R404A / R507
EX4	0.21	4.9	3.4	4.6
EX5	0.68	16	11	15
EX6	1.57	37	26	35
EX7	5.58	131	92	126
EX8	16.95	399	278	382

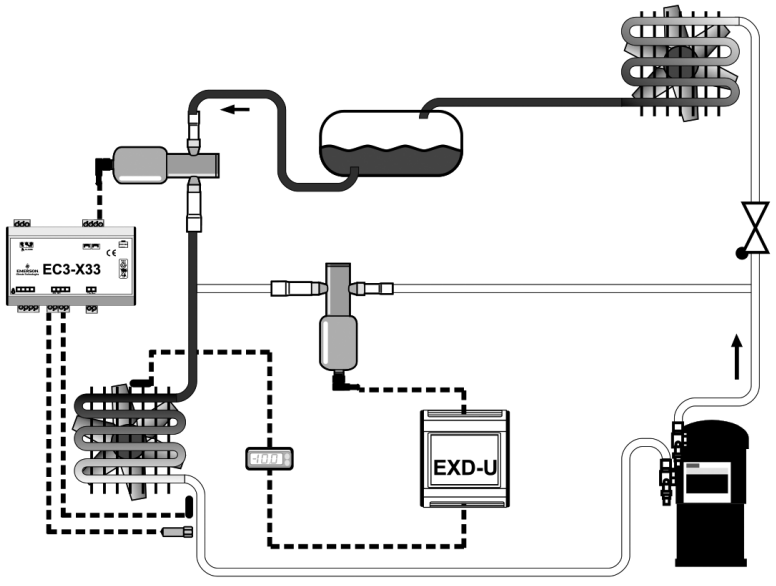
The nominal capacity (Qn) is based on the following conditions:

Refrigerant	Evaporating temperature	Condensing temperature	Subcooling
R407C	+4°C (dew point)	+38°C bubble point / +43°C dew point	1K
R22, R134a, R404A, R507	+4°C	+38°C	1K

For other operating conditions use Excel-based Selection Tool (download rom www.emersonclimate.eu) or use the following quick selection tables.

Biflow versions are not released for hot gas bypass applications.
EX4 .. EX8 must be installed with motor downward in hot gas line applications. This ensures the valve life expectancy. Install a check valve on main hot gas line just after branch to Control Valve.

Valve type	Extended Capacity kW			Condensing Temperature °C
	R22 / R407C	R134a	R404A / R507	
EX4	7	4.9	5.8	60 bubble point for all refrig (64 dew point for R407C)
EX5	23	16	19	
EX6	54	38	45	
EX7	191	135	161	
EX8	581	411	488	
EX4	6.1	4.3	5.5	50 bubble point for all refrig. (54 dew point for R407C)
EX5	20	14	18	
EX6	46	32	41	
EX7	163	115	147	
EX8	495	348	447	
EX4	4.9	3.7	4.9	40 bubble point for all refrig. (45 dew point for R407C)
EX5	16	12	16	
EX6	38	27	36	
EX7	136	95	130	
EX8	414	289	394	
EX4	4.3	2.8	4	30 bubble point for all refrig. (35 dew point for R407C)
EX5	14	9	13	
EX6	32	22	31	
EX7	112	78	111	
EX8	340	236	336	



Application Suction Pressure Regulation (Evaporating or Crankcase Pressure) - Nominal Capacities (kW)

Valve Type	Kv, m3/h	R407C	R22	R134a	R404A
EX6	1.57	3.9	4.1	3.1	3.5
EX7	5.58	14	15	11	13
EX8	16.95	42	45	34	38

The nominal capacity (Qn) is based on the following conditions:

Refrigerant	Evaporating temperature	Condensing temperature	Subcooling	Pressure Drop
R407C	+4°C (dew point)	+38°C bubble point / +43°C dew point	1K	0.15 bar
R22, R134a, R404A	+4°C	+38°C	1K	0.15 bar

For other operating conditions use Excel-based Selection Tool (download from www.emersonclimate.eu) or use the following quick selection tables.

Example:
The EX6 provides 3.5 kW at 0.15 bar pressure drop with R404A or 3.5*1.41=4.9 kW at 0.3 bar pressure drop.

Multiply above nominal capacities by following factors to obtain capacities at different pressure drops:

For biflow versions attention should be paid to the temperature range TS -40°C to +80°C ! The EX6 .. EX8 must be installed with motor downward in suction line applications. This ensures the valve life expectancy.

Typical Order Package

1) Valve EX6, EX7 or EX8 Plug and cable assembly EXV-M60
2) Controller Kit EXD-U00 Part No. 808 038

ΔP, bar	0.10	0.15	0.20	0.30
Correction factor	0.82	1.00	1.15	1.41

R-134a Extended Capacities (kWatts) EX6-8 Series

Valve Type	Condensing Temperature °C	Evaporating Temperature (°C)				
		+10	+5	0	-10	-20
EX6	+60	3	2	2	2	1
EX7		10	9	8	6	4
EX8		30	27	24	18	13
EX6	+50	3	3	2	2	1
EX7		11	10	9	7	5
EX8		34	30	27	21	15
EX6	+40	3	3	3	2	2
EX7		12	11	10	8	6
EX8		38	34	30	23	17
EX6	+30	4	3	3	2	2
EX7		14	12	11	8	6
EX8		41	37	33	26	19
EX6	+20	4	4	3	3	2
EX7		15	13	12	9	7
EX8		45	40	36	28	21

R-22 Extended Capacities (kWatts) EX6-8 Series

Valve Type	Condensing Temperature °C	Evaporating Temperature (°C)						
		+10	+5	0	-10	-20	-30	-40
EX6	+60	4	3	3	3	2	2	1
EX7		13	12	11	9	7	5	4
EX8		41	37	34	27	22	17	12
EX6	+50	4	4	3	3	2	2	1
EX7		15	13	12	10	8	6	5
EX8		45	41	37	30	24	19	14
EX6	+40	5	4	4	3	2	2	1
EX7		16	15	13	11	9	7	5
EX8		49	45	41	33	27	21	15
EX6	+30	5	4	4	3	3	2	2
EX7		17	16	14	12	9	7	5
EX8		53	48	44	36	29	22	16
EX6	+20	5	5	4	4	3	2	2
EX7		19	17	15	13	10	8	6
EX8		56	52	47	39	31	24	18

R-404A/R-507 Extended Capacities (kWatts) EX6-8 Series, Application Suction Pressure Regulation (Evaporating or Crankcase Pressure)

Valve Type	Condensing Temperature °C	Evaporating Temperature (°C)					
		+10	+5	0	-20	-30	-40
EX6	+60	3	2	2	1	1	1
EX7		9	8	8	4	3	2
EX8		29	26	23	13	10	7
EX6	+50	3	3	3	2	1	1
EX7		12	11	9	6	4	3
EX8		36	32	29	18	13	9
EX6	+40	4	3	3	2	1	1
EX7		14	12	11	7	5	4
EX8		42	38	34	21	16	12
EX6	+30	4	4	4	2	2	1
EX7		16	14	13	8	6	5
EX8		48	43	39	25	19	14
EX6	+20	5	4	4	3	2	1
EX7		17	16	14	9	7	5
EX8		53	48	44	28	21	16

R-407C Extended Capacities (kWatts) EX6-8 Series, Application Suction Pressure Regulation (Evaporating or Crankcase Pressure)

Valve Type	Condensing Temperature		Evaporating Temperature (°C)				
	Dew point °C	Bubble point °C	+10	+5	0	-10	-20
EX6	+64	+60	3	3	3	2	2
EX7			12	11	10	8	6
EX8			36	33	29	23	18
EX6	+54	+50	4	3	3	2	2
EX7			14	12	11	9	7
EX8			41	37	34	27	21
EX6	+45	+40	4	4	3	3	2
EX7			15	14	12	10	8
EX8			46	42	38	30	23
EX6	+35	+30	5	4	4	3	2
EX7			17	15	14	11	9
EX8			51	46	41	33	26
EX6	+26	+20	5	5	4	3	3
EX7			18	16	15	12	9
EX8			55	50	45	36	28

Application Condensing Pressure Regulation and Liquid Duty - Nominal Capacities (kW)

Valve Type	Kv, m3/h	R407C	R22	R134a	R404A
EX5	0.68	18	20	18	13
EX6	1.57	43	46	42	30
EX7	5.58	153	162	151	106
EX8	16.95	463	491	458	323

The nominal capacity (Qn) is based on the following conditions:

Refrigerant	Evaporating temperature	Condensing temperature	Subcooling	Pressure Drop
R407C	+4°C (dew point)	+38°C bubble point / +43°C dew point	1K	0.35 bar
R22, R134a, R404A	+4°C	+38°C	1K	0.35 bar

Multiply above nominal capacities by following factors to obtain capacities at different pressure drops:

ΔP, bar	0.15	0.20	0.35
Correction factor	0.65	0.76	1.00

Example:
The EX6 provides 30kW at 0.35bar pressure drop with R404A or 30*0.76=22.8 kW at 0.2 bar pressure drop.

R-134a Extended Capacities (kWatts) EX5-8 Series

Valve Type	Condensing Temperature °C	Evaporating Temperature (°C)			
		+10	0	-10	-20
EX5	+60	14	13	13	12
EX6		32	31	29	27
EX7		115	109	104	98
EX8		350	332	315	296
EX5	+50	16	15	15	14
EX6		37	36	34	32
EX7		133	127	121	115
EX8		405	387	369	350
EX5	+30	18	18	17	16
EX6		42	41	39	37
EX7		151	145	139	133
EX8		458	440	422	403
EX5	+40	20	20	19	18
EX6		47	46	44	42
EX7		168	162	156	150
EX8		512	493	474	455
EX5	+20	22	22	21	20
EX6		52	51	49	47
EX7		186	180	173	167
EX8		564	546	526	507

R-22 Extended Capacities (kWatts) EX5-8 Series, as expansion and liquid injection valves

Valve Type	Condensing Temperature °C	Evaporating Temperature (°C)					
		+10	0	-10	-20	-30	-40
EX5	+60	15	15	15	14	14	13
EX6		36	35	34	33	32	30
EX7		128	124	120	116	112	108
EX8		387	377	365	353	341	328
EX5	+50	17	17	16	17	16	15
EX6		41	40	36	39	36	35
EX7		144	141	129	137	129	124
EX8		439	428	391	416	391	377
EX5	+30	19	19	19	18	17	17
EX6		45	44	43	42	41	39
EX7		161	157	153	149	145	140
EX8		488	477	465	453	439	426
EX5	+40	21	21	20	20	19	19
EX6		50	49	48	46	45	44
EX7		177	173	169	165	160	156
EX8		536	525	513	500	486	472
EX5	+20	23	23	22	22	21	21
EX6		54	53	52	51	49	48
EX7		192	188	184	180	175	171
EX8		584	572	560	547	533	519

R-404A/R-507 Extended Capacities (kWatts) EX5-8 Series, Application Condensing Pressure Regulation and Liquid Duty

Valve Type	Condensing Temperature °C	Evaporating Temperature (°C)					
		+10	0	-10	-20	-30	-40
EX5	+60	8	8	7	6	6	5
EX6		19	17	16	15	13	12
EX7		66	62	58	53	48	43
EX8		202	189	175	160	146	130
EX5	+50	11	10	9	9	8	8
EX6		24	23	22	20	19	17
EX7		87	82	78	73	67	62
EX8		264	250	236	220	205	189
EX5	+30	13	12	12	11	10	10
EX6		30	28	27	26	24	23
EX7		106	101	96	91	85	80
EX8		321	306	291	276	260	243
EX5	+40	15	14	14	13	12	12
EX6		35	33	32	30	29	27
EX7		123	119	114	108	103	97
EX8		375	360	345	329	312	295
EX5	+20	17	16	16	15	14	14
EX6		40	38	37	35	34	32
EX7		141	136	131	125	120	114
EX8		427	412	397	380	363	346

R-407C Extended Capacities (kWatts) EX5-8 Series, Application Condensing Pressure Regulation and Liquid Duty

Valve Type	Condensing Temperature		Evaporating Temperature (°C)			
	Dew Point °C	Dew Point °C	+10	0	-10	-20
EX5	+64	+60	14	13	12	12
EX6			32	30	29	28
EX7			112	108	103	98
EX8			340	327	313	298
EX5	+54	+50	16	15	15	14
EX6			37	36	35	33
EX7			132	128	123	118
EX8			402	388	373	358
EX5	+45	+30	18	18	17	17
EX6			43	41	40	38
EX7			152	147	142	137
EX8			460	446	431	415
EX5	+35	+40	21	20	19	19
EX6			48	47	45	44
EX7			170	166	160	155
EX8			517	503	487	471
EX5	+26	+20	23	22	22	21
EX6			53	52	50	49
EX7			189	184	179	173
EX8			573	558	543	526

Application Hot Gas Flow such as Heat Reclaim Application - Nominal Capacities (kW)

Valve Type	Kv, m3/h	R22 / R407C	R134a	R404A / R507	R410A
EX6	1.57	11	9	10	13
EX7	5.58	39	33	36	47
EX8	16.95	119	101	108	144

The nominal capacity (Qn) is based on the following conditions:

Refrigerant	Evaporating temperature	Condensing temperature	Subcooling	Pressure Drop	Isentropic Efficiency
R407C	+4°C (dew point)	+38°C bubble point / +43°C dew point	1K	0.35 bar	80%
R22, R134a, R404A, R507	+4°C	+38°C	1K	0.35 bar	80%

For other conditions see following tables.

Valves must be installed with motor downward in hot gas line applications. This ensures the valve life expectancy. Bi-flow versions are not released for hot gas flow applications.

R-134a Extended Capacities (kWatts) EX6-8 Series

Valve Type	Condensing Temperature °C	Pressure Drop bar	Evaporating Temperature (°C)												
			+15	+10	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX6	+60	0.1	5	5	4	4	4	4	4	4	4	3	3	3	3
EX7			16	16	16	15	15	14	14	13	13	12	12	11	10
EX8			50	49	47	46	44	43	41	40	38	37	35	33	32
EX6		0.5	10	10	10	9	9	9	8	8	8	7	7	7	6
EX7			36	35	34	33	32	31	30	29	28	26	25	24	23
EX8			110	107	104	101	97	94	91	87	84	80	77	74	70
EX6		1.0	14	14	13	13	12	12	12	11	11	10	10	9	9
EX7			50	49	47	46	44	43	41	40	38	37	35	34	32
EX8			152	148	144	139	135	130	126	121	116	112	107	102	97
EX6	+50	0.1	5	4	4	4	4	4	4	4	4	3	3	3	3
EX7			16	16	15	15	14	14	14	13	13	12	12	11	11
EX8			49	48	47	45	44	43	41	40	39	37	36	35	33
EX6		0.5	10	10	9	9	9	9	8	8	8	8	7	7	7
EX7			35	35	34	33	32	31	30	29	28	27	26	25	24
EX8			108	105	102	99	97	94	91	88	85	82	79	76	73
EX6		1.0	14	13	13	13	12	12	12	11	11	10	10	10	9
EX7			49	48	46	45	44	43	41	40	39	37	36	34	33
EX8			148	145	141	137	133	129	125	121	117	113	109	105	100
EX6	+40	0.1	4	4	4	4	4	4	4	4	4	3	3	3	3
EX7			16	15	15	14	14	14	13	13	13	12	12	11	11
EX8			47	46	45	44	43	42	40	39	38	37	36	34	33
EX6		0.5	10	9	9	9	9	8	8	8	8	7	7	7	7
EX7			34	33	32	32	31	30	29	28	27	26	26	25	24
EX8			103	100	98	96	93	91	88	86	83	80	78	75	73
EX6		1.0	13	13	12	12	12	12	11	11	11	10	10	10	9
EX7			46	45	44	43	42	41	40	39	38	36	35	34	33
EX8			141	138	134	131	128	124	121	117	114	110	107	103	100
EX6	+30	0.1	4	4	4	4	4	4	4	3	3	3	3	3	3
EX7			15	14	14	14	13	13	13	12	12	12	11	11	11
EX8			44	43	42	42	41	40	39	38	37	35	34	33	32
EX6		0.5	9	9	9	8	8	8	8	8	7	7	7	7	6
EX7			32	31	30	30	29	28	28	27	26	25	25	24	23
EX8			96	94	92	90	88	86	84	81	79	77	75	72	70
EX6		1.0	12	12	12	11	11	11	11	10	10	10	9	9	9
EX7			43	42	41	40	39	38	37	36	35	34	33	32	31
EX8			130	128	125	122	119	117	114	111	108	105	102	98	95

R-22/R-407C Extended Capacities (kWatts) EX5-8 Series, Application Hot Gas Flow such as Heat Reclaim Application

Valve Type	Condensing Temperature °C	Pressure Drop bar	Evaporating Temperature (°C)												
			+15	+10	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX6	+60	0.1	6	5	5	5	5	5	5	5	4	4	4	4	4
EX7			20	19	19	18	18	17	17	16	16	15	15	14	14
EX8			59	58	57	55	54	53	51	50	48	47	45	44	42
EX6		0.5	12	12	12	11	11	11	10	10	10	10	9	9	9
EX7			43	42	41	40	39	38	37	36	35	34	33	32	31
EX8			131	129	126	123	119	116	113	110	107	103	100	97	94
EX6		1.0	17	17	16	16	15	15	15	14	14	13	13	13	12
EX7			60	59	58	56	55	53	52	51	49	48	46	45	43
EX8			183	179	175	171	167	162	158	154	149	145	140	135	131
EX6	+50	0.1	5	5	5	5	5	5	5	5	4	4	4	4	4
EX7			19	19	18	18	17	17	17	16	16	15	15	14	14
EX8			58	57	56	54	53	52	51	49	48	47	45	44	42
EX6		0.5	12	12	11	11	11	11	10	10	10	10	9	9	9
EX7			42	41	40	40	39	38	37	36	35	34	33	32	31
EX8			128	126	123	120	117	115	112	109	106	103	100	97	94
EX6		1.0	17	16	16	15	15	15	14	14	14	13	13	13	12
EX7			59	57	56	55	54	52	51	50	49	47	46	44	43
EX8			178	175	171	167	163	159	155	151	147	143	139	135	131
EX6	+40	0.1	5	5	5	5	5	5	5	4	4	4	4	4	4
EX7			18	18	18	17	17	16	16	16	15	15	15	14	14
EX8			56	55	54	52	51	50	49	48	47	45	44	43	42
EX6		0.5	11	11	11	11	10	10	10	10	9	9	9	9	8
EX7			40	40	39	38	37	36	35	35	34	33	32	31	30
EX8			123	120	118	115	113	110	108	105	103	100	97	94	92
EX6		1.0	16	15	15	15	14	14	14	14	13	13	12	12	12
EX7			56	55	54	53	52	50	49	48	47	46	44	43	42
EX8			170	167	163	160	157	153	149	146	142	139	135	131	127
EX6	+30	0.1	5	5	5	5	4	4	4	4	4	4	4	4	4
EX7			17	17	17	16	16	16	15	15	15	14	14	14	13
EX8			53	52	51	50	49	48	46	45	44	43	42	41	40
EX6		0.5	11	10	10	10	10	10	9	9	9	9	9	8	8
EX7			38	37	37	36	35	34	34	33	32	31	30	30	29
EX8			115	113	111	109	107	104	102	100	97	95	93	90	88
EX6		1.0	15	14	14	14	14	13	13	13	12	12	12	12	11
EX7			52	51	50	49	48	47	46	45	44	43	42	41	40
EX8			159	156	153	150	147	144	141	138	134	131	128	124	121

* Condensing temperatures R407C:

The relation between bubble points and dew points is as follows:

Bubble point °C	Dew point °C
+60	+64
+50	+54
+40	+45
+30	+35

R-404A Extended Capacities (kWatts) EX5-8 Series, Application Hot Gas Flow such as Heat Reclaim Application

Valve Type	Condensing Temperature °C	Pressure Drop bar	Evaporating Temperature (°C)												
			+15	+10	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX6	+60	0.1	4	4	4	4	4	3	3	3	3	3	3	2	2
EX7			15	14	14	13	13	12	11	11	10	10	9	8	8
EX8			45	43	42	40	38	36	35	33	31	29	27	25	23
EX6		0.5	9	9	8	8	8	7	7	7	6	6	6	5	5
EX7			32	31	30	29	28	26	25	24	22	21	20	18	17
EX8			99	95	92	88	84	80	76	72	68	64	60	56	52
EX6		1.0	13	12	12	11	11	10	10	9	9	8	8	7	7
EX7			45	44	42	40	39	37	35	33	31	29	27	26	24
EX8			137	132	127	122	117	112	106	101	95	89	84	78	72
EX6	+50	0.1	5	4	4	4	4	4	4	4	3	3	3	3	3
EX7			16	16	15	15	14	14	13	13	12	11	11	10	10
EX8			49	47	46	44	43	41	40	38	36	35	33	31	30
EX6		0.5	10	10	9	9	9	8	8	8	7	7	7	6	6
EX7			35	34	33	32	31	30	29	28	26	25	24	23	22
EX8			107	104	101	98	95	91	88	84	80	77	73	69	65
EX6		1.0	14	13	13	13	12	12	11	11	10	10	9	9	8
EX7			49	48	46	45	43	42	40	38	37	35	33	32	30
EX8			149	145	141	136	131	127	122	117	112	107	102	96	91
EX6	+40	0.1	5	4	4	4	4	4	4	4	4	3	3	3	3
EX7			16	16	16	15	15	14	14	13	13	12	12	11	11
EX8			50	49	47	46	45	43	42	40	39	37	36	34	33
EX6		0.5	10	10	10	9	9	9	9	8	8	8	7	7	7
EX7			36	35	34	33	32	31	30	29	28	27	26	25	24
EX8			109	107	104	101	98	95	92	89	86	83	79	76	73
EX6		1.0	14	14	13	13	13	12	12	11	11	11	10	10	9
EX7			50	49	48	46	45	44	42	41	39	38	36	35	33
EX8			152	148	144	140	136	132	128	124	119	115	110	105	101
EX6	+30	0.1	5	4	4	4	4	4	4	4	4	4	3	3	3
EX7			16	16	15	15	15	14	14	13	13	13	12	12	11
EX8			49	48	47	46	45	43	42	41	40	38	37	36	34
EX6		0.5	10	10	10	9	9	9	9	8	8	8	8	7	7
EX7			35	35	34	33	32	31	31	30	29	28	27	26	25
EX8			108	105	103	101	98	95	93	90	87	84	81	78	76
EX6		1.0	14	13	13	13	13	12	12	12	11	11	10	10	10
EX7			49	48	47	46	45	43	42	41	40	38	37	36	34
EX8			149	146	142	139	135	132	128	124	120	117	113	109	104

R-410A Extended Capacities (kWatts) EX 5-8 Series, Application Hot Gas Flow such as Heat Reclaim Application

Valve Type	Condensing Temperature °C	Pressure Drop bar	Evaporating Temperature (°C)												
			+15	+10	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
EX6	+60	0.1	6	6	6	6	5	5	5	5	5	5	4	4	4
EX7			21	21	20	20	19	19	18	18	17	16	16	15	15
EX8			64	63	62	60	58	57	55	53	52	50	48	46	44
EX6		0.5	13	13	13	12	12	12	11	11	11	10	10	10	9
EX7			47	46	45	44	43	41	40	39	38	36	35	34	32
EX8			143	140	137	133	130	126	122	118	115	111	107	103	99
EX6		1.0	19	18	18	17	17	16	16	15	15	14	14	13	13
EX7			66	64	63	61	60	58	56	55	53	51	49	47	46
EX8			200	196	191	186	182	177	171	166	161	155	150	144	138
EX6	+50	0.1	6	6	6	6	6	6	5	5	5	5	5	5	4
EX7			22	22	21	21	20	20	19	19	18	18	17	17	16
EX8			67	66	65	63	62	60	59	57	55	54	52	50	48
EX6		0.5	14	14	13	13	13	12	12	12	11	11	11	10	10
EX7			49	48	47	46	45	44	43	42	40	39	38	37	35
EX8			149	146	143	140	137	133	130	126	123	119	115	111	108
EX6		1.0	19	19	19	18	18	17	17	16	16	15	15	14	14
EX7			69	67	66	64	63	61	60	58	57	55	53	51	50
EX8			209	204	200	196	191	186	182	177	172	167	161	156	151
EX6	+40	0.1	6	6	6	6	6	6	5	5	5	5	5	5	5
EX7			22	22	21	21	20	20	19	19	18	18	17	17	16
EX8			67	66	65	63	62	60	59	58	56	54	53	51	50
EX6		0.5	14	13	13	13	13	12	12	12	11	11	11	11	10
EX7			49	48	47	46	45	44	43	42	41	40	39	37	36
EX8			148	146	143	140	137	134	131	127	124	121	117	114	110
EX6		1.0	19	19	18	18	18	17	17	16	16	16	15	15	14
EX7			68	67	66	64	63	61	60	59	57	55	54	52	51
EX8			207	203	199	195	191	187	182	178	173	168	164	159	154
EX6	+30	0.1	6	6	6	6	6	5	5	5	5	5	5	5	5
EX7			21	21	21	20	20	19	19	19	18	18	17	17	16
EX8			65	64	63	61	60	59	58	56	55	53	52	51	49
EX6		0.5	13	13	13	13	12	12	12	12	11	11	11	10	10
EX7			47	46	45	45	44	43	42	41	40	39	38	37	36
EX8			143	141	138	135	133	130	127	124	121	118	115	112	109
EX6		1.0	18	18	18	17	17	17	16	16	16	15	15	14	14
EX7			65	64	63	62	61	60	58	57	56	54	53	51	50
EX8			199	195	192	188	185	181	177	173	169	165	160	156	152