Calculation method

for all Honeywell expansion valves

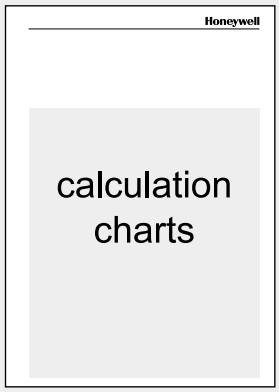
refrigerant

t_o evaporating temperature

t_c condensing temperature

Δt_{c2u} subcooling

Δp pressure drop across the expansion valve



Q_0 = refigeration capacity of installation / refigeration circuit

$$Q_N = f_T \times f_{\Delta p} \times Q_0$$

correcting factors f_T, $f_{\Delta p}$

Q_N = nominal valve capacity stated in data sheet

valve designation

Cooling Solutions

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Honeywell	Calculation method and correcting factors	for all valve series	R12

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)																
	+ 30	+25	+ 20	+15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 60	1.27	1.29	1.31	1.34	1.37	1.40	1.43	1.47	1.51	1.79	2.15	2.60	3.20	3.95	4.91		
+ 55	1.19	1.21	1.23	1.26	1.28	1.31	1.34	1.37	1.40	1.67	2.01	2.43	2.97	3.67	4.56		
+ 50	1.13	1.14	1.17	1.19	1.21	1.23	1.26	1.29	1.32	1.57	1.88	2.27	2.77	3.41	4.24		
+ 45	1.07	1.08	1.10	1.12	1.14	1.17	1.19	1.21	1.24	1.47	1.76	2.13	2.60	3.19	3.96		
+ 40	1.02	1.03	1.05	1.07	1.09	1.11	1.13	1.15	1.17	1.39	1.66	2.01	2.44	3.00	3.71		
+ 35	0.97	0.98	1.00	1.02	1.03	1.05	1.07	1.09	1.11	1.32	1.57	1.90	2.31	2.83	3.50		
+ 30		0.94	0.95	0.97	0.99	1.00	1.02	1.04	1.06	1.25	1.50	1.80	2.19	2.68	3.31		
+ 25			0.91	0.93	0.94	0.96	0.97	0.99	1.01	1.19	1.42	1.71	2.08	2.54	3.14		
+ 20				0.89	0.90	0.92	0.93	0.95	0.96	1.14	1.36	1.63	1.98	2.42	2.99		
+ 15					0.87	0.88	0.89	0.91	0.92	1.09	1.30	1.56	1.89	2.31	2.85		
+ 10						0.85	0.86	0.87	0.89	1.05	1.25	1.50	1.81	2.21	2.72		
+ 5							0.83	0.84	0.85	1.01	1.20	1.44	1.74	2.12	2.61		
± 0								0.81	0.82	0.97	1.15	1.38	1.67	2.03	2.50		
- 5									0.79	0.93	1.11	1.33	1.61	1.96	2.41		
- 10										0.90	1.07	1.28	1.55	1.88	2.32		

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.08	1.70	1.47	1.32	1.20	1.11	1.04	0.98	0.93	0.89	0.85	0.82	0.79	0.76	0.74	0.71	0.69

Δp (bar)	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	16	17	18	19	20
$f_{\Delta p}$	0.68	0.66	0.64	0.63	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	0.52	0.51	0.49	0.48	0.47

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -10°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.30	0.50	0.70	0.95	1.70	2.10	2.90	5.30	6.10	9.30	11.9	15.1	20.9	26.7	32.6	38.4
Orifice size	0.3	0.5	0.7	1.0	1.5	2.0	2.5	3.0	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R22

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)																
	+ 30	+25	+ 20	+15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 60	1.34	1.35	1.37	1.38	1.39	1.41	1.43	1.45	1.47	1.70	1.98	2.33	2.76	3.30	3.99	4.86	5.97
+ 55	1.26	1.27	1.28	1.30	1.31	1.33	1.34	1.36	1.38	1.59	1.85	2.18	2.58	3.08	3.71	4.52	5.54
+ 50	1.19	1.20	1.21	1.22	1.24	1.25	1.26	1.28	1.30	1.50	1.74	2.04	2.42	2.89	3.48	4.22	5.18
+ 45	1.13	1.14	1.15	1.16	1.17	1.18	1.20	1.21	1.23	1.42	1.64	1.93	2.28	2.72	3.27	3.97	4.86
+ 40	1.08	1.08	1.09	1.10	1.11	1.12	1.14	1.15	1.16	1.34	1.56	1.82	2.16	2.57	3.09	3.75	4.58
+ 35	1.03	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.11	1.28	1.48	1.73	2.05	2.44	2.92	3.55	4.33
+ 30		0.99	1.00	1.00	1.01	1.02	1.03	1.04	1.06	1.22	1.41	1.65	1.95	2.32	2.78	3.37	4.11
+ 25			0.95	0.96	0.97	0.98	0.99	1.00	1.01	1.16	1.35	1.57	1.86	2.21	2.65	3.20	3.91
+ 20				0.92	0.93	0.94	0.95	0.96	0.97	1.11	1.29	1.50	1.78	2.11	2.53	3.06	3.73
+ 15					0.89	0.90	0.91	0.92	0.93	1.07	1.23	1.44	1.70	2.02	2.42	2.92	3.56
+ 10						0.86	0.87	0.88	0.89	1.02	1.18	1.38	1.63	1.93	2.32	2.80	3.41
+ 5							0.84	0.85	0.86	0.98	1.14	1.33	1.57	1.86	2.22	2.69	3.27
± 0								0.82	0.82	0.95	1.10	1.28	1.51	1.79	2.14	2.58	3.14
- 5									0.80	0.91	1.06	1.23	1.45	1.72	2.06	2.48	3.02
- 10										0.88	1.02	1.19	1.40	1.66	1.98	2.39	2.91

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.62	2.14	1.85	1.66	1.51	1.40	1.31	1.23	1.17	1.12	1.07	1.03	0.99	0.96	0.93	0.90	0.87

Δp (bar)	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18	19	20	21	22	23
$f_{\Delta p}$	0.85	0.83	0.81	0.79	0.77	0.76	0.73	0.70	0.68	0.65	0.64	0.62	0.60	0.59	0.57	0.56	0.55

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -10°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.50	0.95	1.30	1.90	3.10	3.90	5.60	8.90	11.7	16.3	21.5	27.9	40.7	52.3	61.6	72.1
Orifice size	0.3	0.5	0.7	1.0	1.5	2.0	2.5	3.0	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R23

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)													
	- 35	- 40	- 45	- 50	- 55	- 60	- 65	- 70	- 75	- 80	- 85	- 90	- 95	- 100
- 10	1.20	1.21	1.22	1.22	1.24	1.25	1.26	1.28	1.55	1.92	2.41	3.08	3.98	5.29
- 15	1.13	1.14	1.14	1.15	1.16	1.17	1.18	1.20	1.46	1.80	2.26	2.88	3.72	4.94
- 20	1.07	1.07	1.08	1.09	1.09	1.10	1.12	1.13	1.37	1.69	2.12	2.71	3.50	4.64
- 25	1.01	1.02	1.02	1.03	1.04	1.05	1.05	1.07	1.30	1.60	2.01	2.56	3.30	4.37
- 30	0.96	0.97	0.97	0.98	0.98	0.99	1.00	1.01	1.23	1.52	1.90	2.42	3.12	4.13
- 35		0.92	0.92	0.93	0.94	0.94	0.95	0.96	1.17	1.44	1.80	2.30	2.96	3.91
- 40			0.88	0.89	0.89	0.90	0.91	0.92	1.11	1.37	1.72	2.18	2.81	3.72
- 45				0.85	0.85	0.86	0.87	0.87	1.06	1.31	1.64	2.08	2.68	3.54
- 50					0.82	0.82	0.83	0.84	1.02	1.25	1.56	1.99	2.56	3.38
- 55						0.79	0.80	0.80	0.97	1.20	1.50	1.91	2.45	3.24
- 60							0.76	0.77	0.94	1.15	1.44	1.83	2.35	3.10
- 65								0.74	0.90	1.11	1.38	1.76	2.25	2.98
- 70									0.87	1.06	1.33	1.69	2.17	2.86
- 75										1.03	1.28	1.63	2.09	2.76
- 80											1.24	1.57	2.02	2.66

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.68	2.34	2.02	1.81	1.65	1.53	1.43	1.35	1.28	1.22	1.17	1.12	1.08	1.05	1.01	0.98	0.95

Δp (bar)	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18	19	20	21	22	23
$f_{\Delta p}$	0.93	0.91	0.88	0.86	0.84	0.83	0.79	0.77	0.74	0.72	0.69	0.67	0.66	0.64	0.62	0.61	0.58

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -70°C, t_c = -30°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.55	1.1	1.5	2.15	3.5	4.5	6.4	10.2	13.4	18.6	24.5	31.9	46.5	59.7	70.4	82.3
Orifice size	0.3	0.5	0.7	1.0	1.5	2.0	2.5	3.0	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R124

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)														
	+ 40	+ 35	+ 30	+ 25	+ 20	+ 15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 30	- 40
+ 100	2.14	2.24	2.35	2.48	2.63	2.79	2.98	3.63	4.48	5.59	7.07				
+ 95	1.85	1.93	2.02	2.11	2.22	2.34	2.47	2.98	3.62	4.45	5.53				
+ 90	1.65	1.70	1.77	1.84	1.92	2.02	2.11	2.53	3.05	3.71	4.57				
+ 85	1.48	1.52	1.59	1.64	1.70	1.78	1.85	2.20	2.64	3.12	3.89				
+ 80	1.34	1.39	1.43	1.48	1.53	1.59	1.65	1.95	2.33	2.80	3.39				
+ 75	1.23	1.27	1.30	1.34	1.34	1.44	1.45	1.77	2.01	2.50	3.02				
+ 70	1.13	1.17	1.20	1.24	1.28	1.32	1.36	1.60	1.89	2.26	2.72				
+ 65	1.06	1.09	1.11	1.15	1.18	1.21	1.25	1.47	1.73	2.06	2.47				
+ 60	0.99	1.02	1.04	1.07	1.10	1.13	1.16	1.35	1.59	1.89	2.27				
+ 55	0.93	0.95	0.98	1.00	1.03	1.05	1.08	1.26	1.48	1.75	2.09				
+ 50	0.88	0.90	0.92	0.94	0.97	0.99	1.01	1.18	1.39	1.64	1.95				
+ 45	0.83	0.85	0.87	0.89	0.91	0.93	0.95	1.11	1.30	1.54	1.82				
+ 40		0.81	0.82	0.84	0.86	0.89	0.89	1.05	1.22	1.44	1.71				

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.32	1.899	1.64	1.47	1.34	1.24	1.16	1.09	1.04	0.99	0.95	0.91	0.88	0.85	0.82	0.79	0.77

Δp (bar)	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18	19	20	21	22	23
$f_{\Delta p}$	0.75	0.73	0.71	0.70	0.68	0.67	0.64	0.62	0.60	0.58	0.56	0.55	0.53	0.52	0.50	0.49	0.48

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = +10°C, t_c = +50°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.29	0.55	0.75	1.10	1.80	2.25	3.25	5.10	6.80	9.40	12.40	16.10	23.49	30.19	35.59	41.69
Orifice size	0.3	0.5	0.7	1	1.5	2	2.5	3	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R134a

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)																
	+ 30	+25	+ 20	+15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 60	1.34	1.36	1.39	1.42	1.46	1.49	1.53	1.57	1.62	1.93	2.34	2.85	3.50	4.34			
+ 55	1.24	1.27	1.29	1.32	1.35	1.38	1.41	1.45	1.49	1.78	2.14	2.60	3.19	3.95			
+ 50	1.16	1.18	1.21	1.23	1.26	1.28	1.31	1.34	1.38	1.64	1.97	2.39	2.93	3.62			
+ 45	1.09	1.11	1.13	1.15	1.18	1.20	1.23	1.25	1.28	1.53	1.83	2.22	2.71	3.34			
+ 40	1.03	1.05	1.07	1.09	1.11	1.13	1.15	1.18	1.20	1.43	1.71	2.07	2.52	3.11			
+ 35	0.98	0.99	1.01	1.03	1.05	1.06	1.09	1.11	1.13	1.34	1.61	1.94	2.36	2.90			
+ 30		0.94	0.96	0.97	0.99	1.01	1.03	1.05	1.07	1.27	1.51	1.82	2.22	2.72			
+ 25			0.91	0.93	0.94	0.96	0.97	0.99	1.01	1.20	1.43	1.72	2.09	2.57			
+ 20				0.88	0.90	0.91	0.93	0.94	0.96	1.14	1.36	1.63	1.98	2.42			
+ 15					0.86	0.87	0.88	0.90	0.91	1.08	1.29	1.55	1.88	2.30			
+ 10						0.83	0.84	0.86	0.87	1.03	1.23	1.48	1.79	2.19			
+ 5							0.81	0.82	0.83	0.99	1.17	1.41	1.71	2.08			
± 0								0.79	0.80	0.94	1.12	1.35	1.63	1.99			
- 5									0.77	0.91	1.08	1.29	1.56	1.91			
- 10										0.87	1.04	1.24	1.50	1.83			

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.15	1.76	1.52	1.36	1.24	1.15	1.08	1.02	0.96	0.92	0.88	0.85	0.81	0.79	0.76	0.74	0.72

Δp (bar)	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	16	17	18	19	20
$f_{\Delta p}$	0.70	0.68	0.67	0.65	0.64	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.54	0.52	0.51	0.49	0.48

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -10°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	3.4	0.65	0.90	1.30	2.10	2.70	3.80	6.20	8.20	11.1	15.0	18.8	26.0	33.3	40.8	48.0
Orifice size	0.3	0.5	0.7	1.0	1.5	2.0	2.5	3.0	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R227

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)														
	+ 50	+ 45	+ 40	+ 35	+ 30	+ 25	+ 20	+ 15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20
+ 90	2.08	2.24	2.43	2.66	2.94	3.30	3.76	4.38	5.26	7.44					
+ 85	1.67	1.78	1.90	2.04	2.21	2.41	2.66	2.96	3.35	4.36	5.85				
+ 80	1.42	1.49	1.58	1.68	1.79	1.93	2.08	2.27	2.50	3.13	4.01	5.27			
+ 75	1.23	1.29	1.36	1.43	1.52	1.61	1.72	1.85	2.00	2.46	3.08	3.91	5.06		
+ 70	1.10	1.14	1.19	1.25	1.32	1.39	1.47	1.57	1.68	2.04	2.50	3.12	3.95	5.11	
+ 65	0.99	1.02	1.07	1.11	1.17	1.22	1.29	1.36	1.45	1.74	2.11	2.60	3.24	4.11	5.29
+ 60	0.90	0.93	0.96	1.00	1.05	1.09	1.15	1.20	1.27	1.51	1.83	2.23	2.74	3.44	4.36
+ 55	0.82	0.85	0.88	0.91	0.95	0.99	1.03	1.08	1.13	1.34	1.61	1.95	2.38	2.96	3.71
+ 50		0.78	0.81	0.84	0.87	0.90	0.94	0.98	1.02	1.20	1.44	1.73	2.10	2.59	3.22
+ 45			0.75	0.77	0.80	0.83	0.86	0.89	0.93	1.09	1.30	1.56	1.88	2.30	2.84
+ 40				0.72	0.74	0.76	0.79	0.82	0.85	1.00	1.18	1.41	1.70	2.07	2.54
+ 35					0.69	0.71	0.73	0.76	0.78	0.92	1.08	1.29	1.55	1.88	2.30
+ 30						0.66	0.68	0.70	0.73	0.85	1.00	1.19	1.42	1.72	2.09
+ 25							0.64	0.66	0.68	0.79	0.93	1.10	1.31	1.58	1.92
+ 20								0.62	0.63	0.74	0.86	1.02	1.22	1.46	1.77

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.52	2.05	1.78	1.59	1.45	1.34	1.26	1.19	1.13	1.07	1.03	0.99	0.95	0.92	0.89	0.86	0.84

Δp (bar)	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18	19	20	21	22	23
$f_{\Delta p}$	0.82	0.80	0.78	0.76	0.74	0.73	0.70	0.67	0.65	0.63	0.61	0.59	0.58	0.56	0.55	0.54	0.52

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = +10°C, t_c = +50°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.2	0.4	0.5	0.75	1.25	1.6	2.25	3.6	4.7	6.6	8.7	11.3	16.4	21.1	24.9	29.1
Orifice size	0.3	0.5	0.7	1.0	1.5	2.0	2.5	3.0	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R401A

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)																
	+ 30	+25	+ 20	+15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 60	1.32	1.35	1.37	1.39	1.42	1.45	1.48	1.51	1.55	1.84	2.21	2.67	3.26	4.01	4.97		
+ 55	1.24	1.26	1.28	1.30	1.32	1.35	1.37	1.40	1.43	1.70	2.04	2.46	3.00	3.68	4.56		
+ 50	1.16	1.18	1.20	1.22	1.24	1.26	1.29	1.31	1.34	1.59	1.90	2.29	2.78	3.41	4.22		
+ 45	1.10	1.11	1.13	1.15	1.17	1.19	1.21	1.23	1.25	1.48	1.77	2.13	2.59	3.18	3.93		
+ 40	1.04	1.05	1.07	1.08	1.10	1.12	1.14	1.16	1.18	1.40	1.67	2.00	2.43	2.98	3.67		
+ 35	0.99	1.00	1.01	1.03	1.04	1.06	1.08	1.10	1.12	1.32	1.57	1.89	2.29	2.80	3.46		
+ 30		0.95	0.97	0.98	0.99	1.01	1.03	1.04	1.06	1.25	1.49	1.79	2.17	2.65	3.26		
+ 25			0.92	0.94	0.95	0.96	0.98	0.99	1.01	1.19	1.42	1.70	2.06	2.51	3.09		
+ 20				0.90	0.91	0.92	0.94	0.95	0.96	1.14	1.35	1.62	1.96	2.39	2.95		
+ 15					0.87	0.88	0.90	0.91	0.92	1.09	1.30	1.55	1.88	2.29	2.81		
+ 10						0.85	0.86	0.87	0.89	1.04	1.24	1.49	1.80	2.19	2.69		
+ 5							0.83	0.84	0.85	1.00	1.19	1.43	1.72	2.10	2.58		
± 0								0.81	0.82	0.96	1.14	1.37	1.65	2.01	2.47		
- 5									0.79	0.93	1.11	1.32	1.60	1.94	2.38		
- 10										0.90	1.07	1.28	1.54	1.87	2.29		

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.28	1.86	1.61	1.44	1.31	1.22	1.14	1.07	1.02	0.97	0.93	0.89	0.86	0.83	0.80	0.78	0.76

Δp (bar)	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	16	17	18	19	20
$f_{\Delta p}$	0.74	0.72	0.70	0.69	0.67	0.66	0.64	0.63	0.62	0.61	0.60	0.59	0.57	0.55	0.54	0.52	0.51

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -10°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.40	0.75	1.00	1.50	2.40	3.10	4.40	7.10	9.30	13.0	17.1	22.2	32.4	41.6	49.0	57.3
Orifice size	0.3	0.5	0.70	1.0	1.5	2.0	2.5	3.0	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R402A

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)																
	+ 30	+25	+ 20	+15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 60																	
+ 55																	
+ 50	1.38	1.40	1.43	1.46	1.49	1.53	1.57	1.61	1.66	1.95	2.31	2.76	3.34	4.07	5.02	6.26	7.88
+ 45	1.24	1.25	1.28	1.30	1.33	1.36	1.39	1.42	1.46	1.71	2.02	2.41	2.90	3.52	4.32	5.36	6.71
+ 40	1.12	1.14	1.16	1.18	1.20	1.22	1.25	1.28	1.31	1.53	1.81	2.15	2.58	3.12	3.81	4.71	5.87
+ 35	1.03	1.05	1.06	1.08	1.10	1.12	1.14	1.17	1.19	1.39	1.63	1.94	2.32	2.80	3.41	4.20	5.22
+ 30		0.97	0.98	1.00	1.01	1.03	1.05	1.07	1.10	1.28	1.50	1.77	2.12	2.55	3.10	3.80	4.71
+ 25			0.91	0.93	0.94	0.96	0.98	0.99	1.01	1.18	1.38	1.63	1.95	2.34	2.84	3.48	4.30
+ 20				0.87	0.88	0.90	0.91	0.93	0.95	1.10	1.28	1.51	1.80	2.16	2.62	3.21	3.96
+ 15					0.83	0.84	0.86	0.87	0.89	1.03	1.20	1.41	1.68	2.02	2.44	2.98	3.67
+ 10						0.79	0.81	0.82	0.83	0.97	1.13	1.33	1.58	1.89	2.28	2.79	3.43
+ 5							0.76	0.78	0.79	0.91	1.07	1.25	1.49	1.78	2.15	2.62	3.22
± 0								0.74	0.75	0.87	1.01	1.19	1.41	1.68	2.03	2.47	3.03
- 5									0.71	0.83	0.96	1.13	1.34	1.60	1.92	2.34	2.87
- 10										0.79	0.92	1.08	1.27	1.52	1.83	2.22	2.72

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.93	2.39	2.07	1.85	1.69	1.57	1.47	1.38	1.31	1.25	1.20	1.15	1.11	1.07	1.04	1.01	0.98

Δp (bar)	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18	19	20	21	22	23
$f_{\Delta p}$	0.95	0.93	0.91	0.88	0.87	0.85	0.81	0.78	0.76	0.73	0.71	0.69	0.67	0.66	0.64	0.63	0.61

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -10°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.39	0.73	1.00	1.50	2.40	3.00	4.30	6.85	9.00	12.6	16.6	21.5	31.4	40.3	47.5	55.6
Orifice size	0.3	0.5	0.7	1.0	1.5	2.0	2.5	3.0	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R404A

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)																
	+ 30	+ 25	+ 20	+15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 60																	
+ 55	1.60	1.63	1.67	1.72	1.77	1.83	1.90	1.97	2.05	2.44	2.94	3.56	4.38	5.45	6.85	8.73	11.28
+ 50	1.39	1.41	1.44	1.48	1.52	1.56	1.61	1.67	1.73	2.04	2.44	2.94	3.58	4.41	5.49	6.90	8.80
+ 45	1.23	1.25	1.28	1.31	1.34	1.37	1.41	1.46	1.50	1.77	2.10	2.52	3.05	3.73	4.61	5.76	7.27
+ 40	1.11	1.13	1.15	1.18	1.20	1.23	1.26	1.30	1.34	1.57	1.85	2.21	2.67	3.25	3.99	4.96	6.23
+ 35	1.02	1.03	1.05	1.07	1.09	1.12	1.14	1.17	1.21	1.41	1.66	1.98	2.38	2.89	3.53	4.37	5.46
+ 30		0.95	0.97	0.99	1.01	1.03	1.05	1.07	1.10	1.29	1.51	1.80	2.15	2.60	3.18	3.92	4.88
+ 25			0.90	0.92	0.93	0.95	0.97	0.99	1.02	1.18	1.39	1.65	1.97	2.38	2.89	3.56	4.42
+ 20				0.86	0.87	0.89	0.90	0.92	0.94	1.10	1.29	1.52	1.82	2.19	2.66	3.26	4.04
+ 15					0.82	0.83	0.85	0.86	0.88	1.03	1.20	1.42	1.69	2.03	2.47	3.02	3.73
+ 10						0.78	0.80	0.81	0.83	0.96	1.13	1.33	1.58	1.90	2.30	2.81	3.47
+ 5							0.76	0.77	0.78	0.91	1.06	1.25	1.49	1.78	2.16	2.64	3.25
± 0								0.73	0.74	0.86	1.01	1.18	1.41	1.68	2.03	2.48	3.05
- 5									0.71	0.82	0.95	1.12	1.33	1.59	1.92	2.34	2.88
- 10										0.78	0.91	1.07	1.27	1.52	1.83	2.22	2.73

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.85	2.33	2.02	1.81	1.65	1.53	1.43	1.35	1.28	1.22	1.17	1.12	1.08	1.04	1.01	0.98	0.95

Δp (bar)	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18	19	20	21	22	23
$f_{\Delta p}$	0.93	0.90	0.88	0.86	0.84	0.82	0.79	0.76	0.74	0.71	0.69	0.67	0.65	0.64	0.62	0.61	0.60

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -10°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.37	0.7	1.00	1.45	2.30	2.90	4.20	6.70	8.80	12.3	16.2	21.0	30.6	39.3	46.3	54.2
Orifice size	0.3	0.5	0.7	1.0	1.5	2.0	2.5	3.0	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R407A

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)																
	+ 30	+ 25	+ 20	+ 15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 60																	
+ 55	1.39	1.42	1.44	1.47	1.50	1.53	1.57	1.61	1.66	1.92	2.24	2.65	3.14	3.75	4.54	5.51	6.81
+ 50	1.27	1.28	1.31	1.33	1.35	1.38	1.41	1.45	1.48	1.72	2.00	2.35	2.78	3.31	3.99	4.83	5.94
+ 45	1.16	1.18	1.20	1.22	1.24	1.26	1.29	1.32	1.35	1.56	1.81	2.13	2.51	2.98	3.58	4.32	5.30
+ 40	1.08	1.10	1.11	1.13	1.15	1.17	1.19	1.22	1.24	1.43	1.66	1.95	2.29	2.72	3.26	3.92	4.80
+ 35	1.01	1.02	1.04	1.05	1.07	1.09	1.11	1.13	1.15	1.33	1.54	1.80	2.11	2.50	2.99	3.60	4.39
+ 30		0.96	0.97	0.99	1.00	1.02	1.04	1.06	1.08	1.24	1.43	1.68	1.96	2.32	2.78	3.33	4.05
+ 25			0.92	0.93	0.95	0.96	0.98	0.99	1.01	1.16	1.34	1.57	1.84	2.17	2.59	3.10	3.77
+ 20				0.88	0.90	0.91	0.92	0.94	0.96	1.10	1.27	1.48	1.73	2.04	2.433	2.90	3.53
+ 15					0.85	0.86	0.88	0.89	0.91	1.04	1.20	1.40	1.63	1.92	2.29	2.73	3.32
+ 10						0.82	0.83	0.85	0.86	0.99	1.14	1.32	1.55	1.82	2.17	2.58	3.13
+ 5							0.80	0.81	0.82	0.94	1.08	1.26	1.47	1.73	2.06	2.45	2.97
± 0								0.77	0.78	0.90	1.03	1.20	1.40	1.65	1.96	2.33	2.82
- 5									0.75	0.86	0.99	1.15	1.34	1.57	1.87	2.22	2.69
- 10										0.83	0.95	1.10	1.28	1.51	1.79	2.13	2.57

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.87	2.35	2.03	1.82	1.66	1.54	1.44	1.35	1.29	1.23	1.17	1.13	1.09	1.05	1.02	0.99	0.96

Δp (bar)	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18	19	20	21	22	23
$f_{\Delta p}$	0.93	0.91	0.89	0.87	0.85	0.83	0.80	0.77	0.74	0.72	0.70	0.68	0.66	0.64	0.63	0.61	0.60

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -10°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.50	0.95	1.30	1.90	3.05	3.85	5.55	8.90	11.70	16.30	21.50	27.90	40.70	52.30	61.60	72.10
Orifice size	0.3	0.5	0.7	1	1.5	2	2.5	3	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R407B

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)																
	+ 30	+ 25	+ 20	+ 15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 60																	
+ 55	1.52	1.55	1.58	1.62	1.67	1.72	1.77	1.83	1.90	2.25	2.69	3.24	3.95	4.86	6.05	7.64	9.78
+ 50	1.34	1.36	1.39	1.42	1.45	1.49	1.54	1.58	1.64	1.93	2.29	2.75	3.32	4.06	5.02	6.28	7.95
+ 45	1.20	1.22	1.24	1.27	1.30	1.33	1.37	1.40	1.45	1.70	2.01	2.40	2.89	3.51	4.32	5.37	6.76
+ 40	1.10	1.11	1.13	1.15	1.18	1.21	1.23	1.27	1.30	1.52	1.80	2.14	2.57	3.11	3.81	4.71	5.90
+ 35	1.01	1.03	1.04	1.06	1.08	1.11	1.13	1.16	1.19	1.39	1.63	1.94	2.32	2.8	3.41	4.22	5.26
+ 30		0.95	0.97	0.98	1.00	1.02	1.04	1.07	1.09	1.27	1.50	1.77	2.12	2.55	3.10	3.82	4.75
+ 25			0.91	0.92	0.94	0.95	0.97	0.99	1.01	1.18	1.38	1.64	1.95	2.35	2.85	3.50	4.34
+ 20				0.86	0.88	0.89	0.91	0.93	0.95	1.10	1.29	1.52	1.81	2.18	2.64	3.23	4.01
+ 15					0.83	0.84	0.86	0.87	0.89	1.03	1.21	1.43	1.69	2.03	2.46	3.01	3.72
+ 10						0.80	0.81	0.82	0.84	0.97	1.14	1.34	1.59	1.91	2.30	2.82	3.48
+ 5							0.77	0.78	0.80	0.92	1.08	1.27	1.50	1.80	2.17	2.65	3.26
± 0								0.74	0.76	0.88	1.02	1.20	1.42	1.70	2.05	2.50	3.08
- 5									0.72	0.83	0.97	1.14	1.35	1.61	1.94	2.37	2.91
- 10										0.80	0.93	1.09	1.29	1.53	1.85	2.25	2.76

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.94	2.4	2.08	1.86	1.77	1.57	1.47	1.39	1.32	1.26	1.2	1.16	1.11	1.08	1.04	1.01	0.98

Δp (bar)	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18	19	20	21	22	23
$f_{\Delta p}$	0.96	0.93	0.91	0.89	0.87	0.85	0.82	0.79	0.76	0.74	0.71	0.69	0.67	0.66	0.64	0.63	0.62

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -10°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.4	0.8	1.05	1.55	2.5	3.2	4.6	7.25	9.6	13.4	17.6	22.9	33.4	42.9	50.6	59.2
Orifice size	0.3	0.5	0.7	1.0	1.5	2.0	2.5	3.0	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R407C

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)													
	+ 30	+ 25	+ 20	+ 15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35
+ 60														
+ 55	1.35	1.37	1.39	1.41	1.44	1.47	1.50	1.54	1.58	1.84	2.16	2.57	3.07	3.70
+ 50	1.24	1.25	1.27	1.29	1.32	1.34	1.37	1.40	1.43	1.67	1.96	2.32	2.76	3.32
+ 45	1.15	1.16	1.18	1.20	1.22	1.24	1.26	1.29	1.32	1.53	1.79	2.12	2.52	3.03
+ 40	1.07	1.09	1.10	1.12	1.13	1.15	1.17	1.20	1.22	1.42	1.66	1.96	2.32	2.79
+ 35	1.01	1.02	1.03	1.05	1.06	1.08	1.10	1.12	1.14	1.32	1.55	1.82	2.16	2.59
+ 30		0.96	0.98	0.99	1.00	1.02	1.03	1.05	1.07	1.24	1.45	1.70	2.02	2.42
+ 25			0.92	0.94	0.95	0.96	0.98	0.99	1.01	1.17	1.37	1.60	1.90	2.27
+ 20				0.89	0.90	0.91	0.93	0.94	0.96	1.11	1.29	1.52	1.79	2.14
+ 15					0.86	0.87	0.88	0.90	0.91	1.05	1.23	1.44	1.70	2.03
+ 10						0.83	0.84	0.86	0.87	1.00	1.17	1.37	1.62	1.93
+ 5							0.81	0.82	0.83	0.96	1.12	1.31	1.54	1.84
± 0								0.78	0.80	0.92	1.07	1.25	1.47	1.75
- 5									0.76	0.88	1.02	1.20	1.41	1.68
- 10										0.85	0.98	1.15	1.36	1.61

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.8	2.29	1.98	1.77	1.62	1.5	1.4	1.32	1.25	1.2	1.14	1.1	1.06	1.02	0.99	0.96	0.93

Δp (bar)	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18	19	20	21	22	23
$f_{\Delta p}$	0.91	0.89	0.87	0.85	0.83	0.81	0.78	0.75	0.72	0.7	0.68	0.66	0.64	0.63	0.61	0.6	0.58

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -10°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.5	0.95	1.3	1.9	3.05	3.85	5.55	8.9	11.7	16.3	21.5	27.9	40.7	52.3	61.6	72.1
Orifice size	0.3	0.5	0.7	1.0	1.5	2.0	2.5	3.0	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R408A

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0., multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)																
	+ 30	+ 25	+ 20	+15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 60			1.58	1.61	1.64	1.68	1.72	1.77	1.81	2.12	2.50	2.98	3.58	4.34	5.31	6.59	8.25
+ 55			1.42	1.45	1.47	1.50	1.54	1.57	1.61	1.88	2.21	2.62	3.14	3.79	4.63	5.71	7.12
+ 50			1.30	1.32	1.34	1.37	1.39	1.42	1.46	1.70	1.99	2.36	2.81	3.38	4.12	5.07	6.29
+ 45			1.20	1.21	1.23	1.26	1.28	1.30	1.33	1.55	1.81	2.14	2.55	3.06	3.72	4.56	5.65
+ 40			1.11	1.13	1.15	1.16	1.18	1.21	1.23	1.43	1.67	1.97	2.34	2.81	3.40	4.16	5.15
+ 35			1.04	1.06	1.07	1.09	1.11	1.13	1.15	1.33	1.55	1.83	2.17	2.60	3.14	3.84	4.73
+ 30			0.98	0.99	1.01	1.02	1.04	1.06	1.07	1.25	1.45	1.71	2.02	2.42	2.92	3.57	4.39
+ 25			0.93	0.94	0.95	0.96	0.98	0.99	1.01	1.17	1.36	1.60	1.90	2.27	2.73	3.33	4.10
+ 20				0.89	0.90	0.91	0.93	0.94	0.96	1.11	1.29	1.51	1.79	2.13	2.57	3.13	3.85
+ 15					0.86	0.87	0.88	0.89	0.91	1.05	1.22	1.43	1.69	2.02	2.43	2.96	3.63
+ 10						0.83	0.84	0.85	0.87	1.00	1.16	1.36	1.61	1.92	2.31	2.80	3.44
+ 5							0.81	0.82	0.83	0.96	1.11	1.30	1.54	1.83	2.20	2.67	3.27
± 0								0.78	0.79	0.92	1.06	1.24	1.47	1.74	2.10	2.54	3.11
- 5									0.76	0.88	1.02	1.19	1.41	1.67	2.01	2.43	2.98
- 10										0.84	0.98	1.15	1.35	1.60	1.93	2.33	2.85

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.75	2.25	1.95	1.74	1.59	1.47	1.38	1.30	1.23	1.17	1.12	1.08	1.04	1.01	0.97	0.94	0.92

Δp (bar)	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	16	17	18	19	20
$f_{\Delta p}$	0.89	0.87	0.85	0.83	0.81	0.80	0.78	0.76	0.75	0.74	0.72	0.71	0.69	0.67	0.65	0.63	0.62

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -10°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.45	0.85	1.20	1.75	2.80	3.50	5.10	8.10	10.7	14.9	19.7	25.6	37.3	47.9	56.4	66.0
Orifice size	0.3	0.5	0.70	1.00	1.50	2.00	2.50	3.00	3.50	4.50	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R409A

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)														
	+ 30	+25	+ 20	+15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40
+ 60	1.29	1.31	1.34	1.36	1.39	1.42	1.45	1.48	1.52	1.81	2.17	2.62	3.20		
+ 55	1.21	1.23	1.25	1.27	1.30	1.32	1.35	1.38	1.41	1.68	2.01	2.43	2.96		
+ 50	1.14	1.16	1.18	1.20	1.22	1.24	1.27	1.29	1.32	1.57	1.87	2.26	2.75		
+ 45	1.08	1.10	1.11	1.13	1.15	1.17	1.19	1.22	1.24	1.47	1.76	2.12	2.58		
+ 40	1.03	1.04	1.06	1.07	1.09	1.11	1.13	1.15	1.17	1.39	1.66	2.00	2.42		
+ 35	0.98	0.99	1.01	1.02	1.04	1.05	1.07	1.09	1.11	1.32	1.57	1.89	2.29		
+ 30		0.95	0.96	0.98	0.99	1.01	1.02	1.04	1.06	1.25	1.49	1.79	2.17		
+ 25			0.92	0.93	0.95	0.96	0.98	0.99	1.01	1.19	1.42	1.71	2.06		
+ 20				0.90	0.91	0.92	0.94	0.95	0.97	1.14	1.36	1.63	1.97		
+ 15					0.87	0.89	0.90	0.91	0.93	1.09	1.30	1.56	1.89		
+ 10						0.85	0.86	0.88	0.89	1.05	1.25	1.49	1.81		
+ 5							0.83	0.84	0.86	1.01	1.20	1.44	1.74		
± 0								0.81	0.83	0.97	1.16	1.38	1.67		
- 5									0.80	0.94	1.12	1.34	1.61		
- 10										0.91	1.08	1.29	1.56		

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.31	1.89	1.63	1.46	1.33	1.24	1.16	1.09	1.03	0.99	0.94	0.91	0.87	0.84	0.82	0.79	0.77

Δp (bar)	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	16	17	18	19	20
$f_{\Delta p}$	0.75	0.73	0.71	0.70	0.68	0.67	0.65	0.64	0.63	0.62	0.61	0.60	0.58	0.56	0.55	0.53	0.52

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -10°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.40	0.75	1.00	1.50	2.40	3.00	4.35	6.90	9.15	12.8	16.8	21.8	31.8	40.9	48.2	56.4
Orifice size	0.3	0.5	0.70	1.00	1.50	2.00	2.50	3.00	3.50	4.50	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R413A

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)																
	+ 30	+25	+ 20	+15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 60	1.24	1.27	1.31	1.35	1.39	1.43	1.48	1.54	1.59	1.92	2.33	2.86	3.55	4.44	5.62		
+ 55	1.16	1.19	1.22	1.25	1.28	1.32	1.36	1.41	1.46	1.75	2.12	2.58	3.19	3.97	5.00		
+ 50	1.09	1.11	1.14	1.17	1.20	1.23	1.27	1.31	1.35	1.61	1.94	2.37	2.91	3.61	4.52		
+ 45	1.03	1.05	1.08	1.10	1.13	1.16	1.19	1.22	1.26	1.50	1.80	2.19	2.68	3.32	4.14		
+ 40	0.98	1.00	1.02	1.04	1.07	1.09	1.12	1.15	1.18	1.41	1.69	2.04	2.50	3.08	3.83		
+ 35	0.94	0.95	0.97	0.99	1.01	1.04	1.06	1.09	1.12	1.33	1.59	1.92	2.34	2.88	3.57		
+ 30		0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.06	1.26	1.50	1.81	2.21	2.71	3.36		
+ 25			0.89	0.91	0.93	0.95	0.97	0.99	1.01	1.20	1.43	1.72	2.09	2.56	3.17		
+ 20				0.87	0.89	0.91	0.93	0.95	0.97	1.14	1.36	1.64	1.99	2.44	3.01		
+ 15					0.86	0.87	0.89	0.91	0.93	1.10	1.31	1.57	1.90	2.32	2.87		
+ 10						0.84	0.86	0.87	0.89	1.05	1.25	1..51	1.82	2.22	2.74		
+ 5							0.83	0.84	0.86	1.01	1.21	1.45	1.75	2.14	2.63		
± 0								0.82	0.83	0.98	1.16	1.4.	1.69	2.06	2.53		
- 5									0.80	0.95	1.13	1.35	1.63	1.98	2.44		
- 10										0.92	1.09	1.31	1.58	1.92	2.35		

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.28	1.86	1.61	1.44	1.32	1.22	1.40	1.07	1.02	0.97	0.93	0.89	0.86	0.83	0.81	0.78	0.76

Δp (bar)	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	16	17	18	19	20
$f_{\Delta p}$	0.74	0.72	0.70	0.68	0.67	0.66	0.64	0.63	0.62	0.61	0.60	0.59	0.57	0.55	0.54	0.52	0.51

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -10°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.34	0.65	0.90	1.30	2.15	2.65	3.85	6.05	8.0	11.2	14.7	19.1	27.9	35.9	42.2	49.4
Orifice size	0.3	0.5	0.7	1	1.5	2	2.5	3	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R502

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)																
	+ 30	+25	+ 20	+15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 60																	
+ 55	1.38	1.40	1.43	1.46	1.49	1.53	1.57	1.61	1.66	1.95	2.30	2.75	3.32	4.04	4.97	6.17	7.75
+ 50	1.26	1.28	1.30	1.33	1.36	1.39	1.42	1.46	1.50	1.75	2.07	2.46	2.96	3.59	4.39	5.44	6.80
+ 45	1.16	1.18	1.20	1.22	1.25	1.27	1.30	1.33	1.36	1.59	1.87	2.23	2.67	3.23	3.94	4.86	6.06
+ 40	1.08	1.10	1.11	1.13	1.15	1.18	1.20	1.23	1.26	1.46	1.72	2.04	2.44	2.94	3.58	4.40	5.47
+ 35	1.01	1.02	1.04	1.05	1.07	1.09	1.11	1.14	1.16	1.35	1.59	1.87	2.24	2.70	3.28	4.02	4.98
+ 30		0.96	0.97	0.99	1.00	1.02	1.04	1.06	1.08	1.26	1.47	1.74	2.07	2.49	3.02	3.70	4.57
+ 25			0.91	0.93	0.94	0.96	0.98	0.99	1.01	1.18	1.37	1.62	1.93	2.32	2.80	3.43	4.23
+ 20				0.88	0.89	0.90	0.92	0.93	0.95	1.10	1.29	1.52	1.81	2.16	2.62	3.20	3.94
+ 15					0.84	0.85	0.87	0.88	0.90	1.04	1.21	1.43	1.70	2.03	2.45	2.99	3.68
+ 10						0.81	0.82	0.84	0.85	0.99	1.15	1.35	1.60	1.91	2.31	2.81	3.46
+ 5							0.78	0.80	0.81	0.94	1.09	1.28	1.52	1.81	2.18	2.66	3.26
± 0								0.76	0.77	0.89	1.04	1.22	1.44	1.72	2.07	2.52	3.08
- 5									0.74	0.85	0.99	1.16	1.37	1.64	1.97	2.39	2.93
- 10										0.81	0.94	1.11	1.31	1.56	1.88	2.28	2.79

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.73	2.23	1.93	1.73	1.58	1.46	1.36	1.29	1.22	1.16	1.11	1.07	1.03	1.00	0.97	0.94	0.91

Δp (bar)	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18	19	20	21	22	23
$f_{\Delta p}$	0.89	0.86	0.84	0.82	0.80	0.79	0.76	0.73	0.70	0.68	0.66	0.64	0.63	0.61	0.60	0.58	0.57

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -10°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.34	0.65	0.90	1.40	2.20	2.80	4.00	6.40	8.60	11.4	14.6	19.8	27.9	34.9	44.2	51.2
Orifice size	0.3	0.5	0.7	1.0	1.5	2.0	2.5	3.0	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	R507

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)																
	+ 30	+25	+ 20	+15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 60																	
+ 55	1.55	1.57	1.60	1.64	1.68	1.73	1.79	1.85	1.91	2.27	2.70	3.26	3.97	4.88	6.09	7.70	9.86
+ 50	1.36	1.38	1.40	1.43	1.46	1.50	1.54	1.59	1.64	1.93	2.29	2.74	3.32	4.05	5.01	6.28	7.96
+ 45	1.22	1.24	1.26	1.28	1.31	1.34	1.37	1.41	1.45	1.70	2.01	2.39	2.88	3.50	4.31	5.36	6.75
+ 40	1.11	1.13	1.14	1.16	1.18	1.21	1.24	1.27	1.30	1.52	1.80	2.14	2.56	3.10	3.80	4.71	5.90
+ 35	1.03	1.04	1.05	1.07	1.09	1.11	1.13	1.16	1.19	1.39	1.63	1.93	2.31	2.79	3.41	4.21	5.25
+ 30		0.96	0.98	0.99	1.01	1.03	1.05	1.07	1.09	1.27	1.49	1.77	2.11	2.54	3.10	3.81	4.75
+ 25			0.91	0.92	0.94	0.96	0.97	0.99	1.01	1.18	1.38	1.63	1.95	2.34	2.84	3.49	4.33
+ 20				0.87	0.88	0.89	0.91	0.93	0.95	1.10	1.29	1.52	1.81	2.17	2.63	3.22	3.99
+ 15					0.83	0.84	0.86	0.87	0.89	1.03	1.20	1.42	1.69	2.02	2.45	2.99	3.70
+ 10						0.79	0.81	0.82	0.84	0.97	1.13	1.33	1.58	1.89	2.28	2.79	3.45
+ 5							0.76	0.78	0.79	0.91	1.07	1.25	1.49	1.78	2.14	2.62	3.23
± 0								0.73	0.75	0.86	1.01	1.18	1.40	1.67	2.02	2.46	3.03
- 5									0.71	0.82	0.95	1.12	1.32	1.58	1.90	2.32	2.85
- 10										0.78	0.91	1.06	1.26	1.50	1.80	2.19	2.69

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	2.89	2.36	2.04	1.83	1.67	1.54	1.44	1.36	1.29	1.23	1.18	1.13	1.09	1.11	1.02	0.99	0.96

Δp (bar)	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18	19	20	21	22	23
$f_{\Delta p}$	0.94	0.91	0.89	0.87	0.85	0.83	0.80	0.77	0.75	0.72	0.70	0.68	0.66	0.65	0.63	0.62	0.60

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -10°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.37	0.70	1.00	1.45	2.30	2.90	4.20	6.70	8.80	12.3	16.2	21.0	30.6	39.3	46.3	54.2
Orifice size	0.3	0.5	0.7	1.0	1.5	2.0	2.5	3.0	3.5	4.5	4.75	5	6	7	8	10

Honeywell	Calculation method and correcting factors	for all valve series	ISCEON 89

1. Cooling capacity Q_0

Calculation method ⇒ Refrigeration capacity Q_0, multiplied with correcting factor f_T (temperature influences), multiplied with correcting factor $f_{\Delta p}$ (pressure drop across expansion valve) results in the required nominal capacity Q_N (indicated in catalogue).

$$Q_0 \times f_T \times f_{\Delta p} = Q_N \quad \Rightarrow \quad \text{orifice size}$$

2. Correcting factor f_T

Temperature of liquid refrigerant at the valve inlet (°C)	Evaporating temperature t_o (°C)														
	- 20	- 25	- 30	- 35	- 40	- 45	- 50	- 55	- 60	- 65	- 70	- 75	- 80	- 85	- 90
+ 10	0.38	0.45	0.53	0.63	0.76	0.92	1.13	1.41	1.76	2.25	2.90	3.80	5.11		
+ 5	0.36	0.42	0.49	0.58	0.70	0.85	1.04	1.29	1.61	2.05	2.63	3.43	4.60		
± 0	0.33	0.39	0.46	0.54	0.65	0.79	0.96	1.19	1.48	1.88	2.41	3.14	4.19		
- 5	0.31	0.37	0.43	0.51	0.61	0.73	0.90	1.11	1.38	1.74	2.23	2.89	3.85		
- 10	0.30	0.35	0.41	0.48	0.57	0.69	0.84	1.03	1.28	1.62	2.07	2.68	3.57		
- 15	0.28	0.33	0.38	0.45	0.54	0.65	0.79	0.97	1.21	1.52	1.94	2.50	3.32		
- 20		0.31	0.36	0.43	0.51	0.61	0.75	0.92	1.14	1.43	1.82	2.35	3.11		
- 25			0.35	0.41	0.49	0.58	0.71	0.87	1.07	1.35	1.72	2.221	2.92		
- 30				0.38	0.46	0.55	0.67	0.83	1.02	1.28	1.63	2.09	2.76		
- 35					0.44	0.53	0.64	0.79	0.97	1.22	1.54	1.98	2.61		
- 40						0.51	0.61	0.75	0.92	1.16	1.47	1.89	2.48		
- 45							0.59	0.72	0.88	1.11	1.40	1.80	2.37		
- 50								0.69	0.85	1.06	1.34	1.72	2.26		
- 55									0.81	1.02	1.28	1.64	2.16		
- 60										0.97	1.23	1.58	2.07		

3. Correcting factor $f_{\Delta p}$

Δp is the actual existing differential pressure between inlet and outlet of the expansion valve

Δp (bar)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
$f_{\Delta p}$	3.58	2.92	2.53	2.26	2.06	1.91	1.79	1.69	1.60	1.53	1.46	1.40	1.35	1.31	1.26	1.23	1.19

Δp (bar)	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18	19	20	21	22	23
$f_{\Delta p}$	1.16	1.13	1.10	1.08	1.05	1.03	0.99	0.96	0.92	0.89	0.87	0.84	0.82	0.80	0.78	0.76	0.75

in-between values have to be interpolated

4. Nominal capacities Q_N

capacity indicated in catalogue (t_o = -40°C, t_c = +25°C, Δt_{c2u} = 1K)

Nominal capacity (kW)	0.17	0.35	0.45	0.65	1.05	1.35	1.90	3.05	4.00	5.60	7.40	9.60	14.0	18.0	21.2	24.8
Orifice size	0.3	0.5	0.7	1	1.5	2	2.5	3	3.5	4.5	4.75	5	6	7	8	10

Quick selection tables

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R12

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 50	0.5	0.39	0.47	0.51	0.52	0.53	0.54	0.54	0.46	0.39	0.33	0.27	0.22	0.18		
	0.7	0.55	0.66	0.72	0.73	0.75	0.75	0.75	0.65	0.55	0.46	0.38	0.31	0.26		
	1.0	0.74	0.89	0.97	1.00	1.01	1.02	1.02	0.88	0.75	0.63	0.52	0.43	0.35		
	1.5	1.29	1.55	1.69	1.73	1.76	1.77	1.78	1.53	1.30	1.09	0.90	0.74	0.60		
	2.0	1.64	1.97	2.15	2.20	2.24	2.26	2.26	1.95	1.65	1.39	1.15	0.94	0.77		
	2.5	2.26	2.72	2.97	3.04	3.09	3.12	3.13	2.69	2.28	1.91	1.59	1.30	1.06		
	3.0	4.09	4.92	5.37	5.51	5.60	5.64	5.66	4.86	4.13	3.46	2.88	2.36	1.92		
	3.5	4.72	5.67	6.19	6.35	6.45	6.50	6.52	5.60	4.76	3.99	3.31	2.72	2.21		
	4.5	7.25	8.71	9.51	9.75	9.91	10.00	10.03	8.61	7.31	6.14	5.09	4.18	3.39		
	4.75	9.28	11.15	12.17	12.48	12.68	12.79	12.83	11.02	9.36	7.85	6.52	5.35	4.34		
	5	11.77	14.14	15.45	15.84	16.09	16.24	16.28	13.99	11.87	9.96	8.27	6.79	5.51		
	6	16.29	19.57	21.38	21.92	22.27	22.47	22.54	19.36	16.43	13.79	11.45	9.40	7.63		
	7	20.82	25.01	27.31	28.00	28.46	28.71	28.79	24.73	20.99	17.62	14.62	12.00	9.74		
	8	25.42	30.53	33.35	34.19	34.74	35.05	35.15	30.19	25.63	21.51	17.85	14.66	11.90		
	10	29.94	35.96	39.28	40.28	40.93	41.29	41.40	35.57	30.19	25.34	21.03	17.26	14.01		
+ 40	0.5	0.20	0.36	0.44	0.47	0.48	0.50	0.50	0.44	0.38	0.32	0.27	0.22	0.18		
	0.7	0.27	0.51	0.62	0.65	0.68	0.69	0.71	0.61	0.53	0.44	0.37	0.31	0.25		
	1.0	0.37	0.69	0.84	0.88	0.92	0.94	0.96	0.83	0.71	0.60	0.50	0.42	0.34		
	1.5	0.64	1.19	1.46	1.54	1.60	1.64	1.66	1.45	1.24	1.05	0.88	0.72	0.59		
	2.0	0.82	1.52	1.85	1.96	2.03	2.08	2.12	1.84	1.58	1.33	1.11	0.92	0.75		
	2.5	1.13	2.10	2.56	2.70	2.81	2.88	2.93	2.54	2.18	1.84	1.54	1.27	1.04		
	3.0	2.05	3.80	4.63	4.89	5.08	5.21	5.30	4.60	3.94	3.34	2.79	2.30	1.88		
	3.5	2.36	4.38	5.34	5.64	5.85	6.00	6.10	5.30	4.54	3.84	3.21	2.65	2.17		
	4.5	3.63	6.73	8.20	8.66	9.00	9.23	9.38	8.15	6.98	5.91	4.94	4.08	3.33		
	4.75	4.64	8.62	10.50	11.08	11.51	11.81	12.01	10.43	8.94	7.56	6.32	5.22	4.26		
	5	5.89	10.93	13.32	14.07	14.61	14.99	15.23	13.23	11.34	9.59	8.02	6.62	5.41		
	6	8.16	15.13	18.44	19.47	20.22	20.74	21.09	18.31	15.69	13.28	11.10	9.17	7.48		
	7	10.42	19.33	23.55	24.87	25.83	26.50	26.94	23.40	20.05	16.96	14.18	11.71	9.56		
	8	12.72	23.61	28.76	30.37	31.54	32.36	32.89	28.57	24.48	20.71	17.31	14.30	11.67		
	10	14.99	27.81	33.87	35.77	37.15	38.11	38.74	33.65	28.83	24.40	20.39	16.84	13.75		
+ 35	0.5		0.28	0.39	0.42	0.45	0.47	0.48	0.42	0.36	0.31	0.26	0.21	0.17		
	0.7		0.39	0.55	0.59	0.63	0.65	0.67	0.59	0.51	0.43	0.36	0.30	0.24		
	1.0		0.53	0.74	0.80	0.85	0.89	0.91	0.80	0.69	0.58	0.49	0.41	0.33		
	1.5		0.92	1.29	1.40	1.48	1.54	1.58	1.38	1.19	1.01	0.85	0.70	0.58		
	2.0		1.17	1.64	1.78	1.88	1.96	2.01	1.76	1.52	1.29	1.08	0.90	0.73		
	2.5		1.61	2.26	2.46	2.60	2.70	2.77	2.43	2.09	1.78	1.49	1.24	1.01		
	3.0		2.92	4.10	4.45	4.70	4.89	5.02	4.39	3.79	3.22	2.70	2.24	1.84		
	3.5		3.37	4.72	5.12	5.42	5.64	5.79	5.06	4.37	3.71	3.12	2.58	2.12		
	4.5		5.18	7.25	7.88	8.33	8.66	8.89	7.79	6.71	5.71	4.79	3.97	3.25		
	4.75		6.62	9.28	10.08	10.66	11.09	11.38	9.96	8.59	7.30	6.13	5.08	4.16		
	5		8.41	11.78	12.79	13.53	14.07	14.44	12.64	10.90	9.27	7.78	6.45	5.28		
	6		11.63	16.30	17.70	18.73	19.47	19.99	17.50	15.09	12.83	10.77	8.93	7.31		
	7		14.86	20.83	22.61	23.92	24.87	25.53	22.35	19.27	16.39	13.75	11.40	9.34		
	8		18.15	25.43	27.61	29.21	30.37	31.18	27.29	23.53	20.01	16.79	13.92	11.41		
	10		21.37	29.95	32.52	34.41	35.77	36.72	32.15	27.72	23.57	19.78	16.40	13.44		

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R12

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 30	0.5			0.32	0.37	0.40	0.43	0.44	0.39	0.34	0.29	0.25	0.21	0.17		
	0.7			0.45	0.52	0.56	0.60	0.62	0.55	0.48	0.41	0.35	0.29	0.24		
	1.0			0.61	0.70	0.77	0.81	0.85	0.75	0.65	0.56	0.47	0.39	0.32		
	1.5			1.07	1.22	1.33	1.41	1.47	1.30	1.13	0.97	0.82	0.68	0.56		
	2.0			1.36	1.55	1.69	1.80	1.87	1.65	1.44	1.23	1.04	0.86	0.71		
	2.5			1.87	2.14	2.34	2.48	2.58	2.28	1.98	1.70	1.43	1.19	0.98		
	3.0			3.39	3.88	4.23	4.49	4.67	4.13	3.59	3.07	2.59	2.16	1.78		
	3.5			3.91	4.47	4.88	5.17	5.38	4.76	4.14	3.54	2.99	2.49	2.05		
	4.5			6.01	6.87	7.50	7.95	8.28	7.32	6.36	5.45	4.59	3.83	3.15		
	4.75			7.69	8.79	9.59	10.17	10.59	9.37	8.14	6.97	5.88	4.90	4.02		
	5			9.76	11.16	12.17	12.91	13.44	11.89	10.33	8.84	7.46	6.21	5.11		
	6			13.50	15.45	16.84	17.86	18.60	16.45	14.30	12.24	10.32	8.60	7.07		
	7			17.25	19.73	21.52	22.82	23.76	21.02	18.27	15.63	13.19	10.98	9.03		
	8			21.06	24.09	26.27	27.87	29.01	25.66	22.30	19.09	16.10	13.41	11.02		
	10			24.81	28.38	30.95	32.82	34.17	30.23	26.27	22.48	18.97	15.80	12.99		
+ 25	0.5			0.23	0.30	0.35	0.38	0.40	0.36	0.32	0.28	0.23	0.20	0.16		
	0.7			0.32	0.42	0.48	0.53	0.57	0.51	0.45	0.39	0.33	0.27	0.23		
	1.0			0.43	0.57	0.66	0.72	0.77	0.69	0.61	0.52	0.44	0.37	0.31		
	1.5			0.75	0.99	1.14	1.25	1.33	1.20	1.05	0.91	0.77	0.65	0.53		
	2.0			0.96	1.26	1.45	1.60	1.70	1.53	1.34	1.16	0.98	0.82	0.68		
	2.5			1.33	1.74	2.01	2.20	2.35	2.11	1.85	1.60	1.36	1.14	0.94		
	3.0			2.40	3.14	3.64	3.99	4.25	3.81	3.35	2.89	2.46	2.06	1.70		
	3.5			2.77	3.62	4.19	4.60	4.89	4.39	3.86	3.33	2.83	2.37	1.96		
	4.5			4.25	5.57	6.44	7.07	7.52	6.75	5.94	5.12	4.35	3.64	3.01		
	4.75			5.44	7.12	8.24	9.04	9.62	8.64	7.60	6.56	5.57	4.66	3.85		
	5			6.90	9.04	10.46	11.48	12.21	10.97	9.64	8.32	7.06	5.91	4.88		
	6			9.55	12.51	14.48	15.89	16.90	15.18	13.34	11.51	9.78	8.19	6.76		
	7			12.20	15.98	18.50	20.29	21.59	19.39	17.04	14.71	12.49	10.46	8.64		
	8			14.90	19.51	22.59	24.78	26.36	23.68	20.81	17.96	15.25	12.77	10.54		
	10			17.55	22.98	26.60	29.19	31.06	27.89	24.51	21.15	17.97	15.04	12.42		
+ 20	0.5				0.20	0.27	0.32	0.35	0.33	0.29	0.25	0.22	0.18	0.15		
	0.7				0.27	0.38	0.45	0.50	0.46	0.41	0.36	0.31	0.26	0.21		
	1.0				0.37	0.52	0.61	0.67	0.62	0.55	0.48	0.41	0.35	0.29		
	1.5				0.65	0.90	1.06	1.17	1.08	0.96	0.84	0.72	0.61	0.50		
	2.0				0.82	1.14	1.34	1.49	1.37	1.22	1.07	0.92	0.77	0.64		
	2.5				1.14	1.58	1.86	2.05	1.89	1.69	1.48	1.26	1.07	0.89		
	3.0				2.06	2.85	3.36	3.72	3.42	3.06	2.67	2.29	1.93	1.60		
	3.5				2.38	3.29	3.87	4.29	3.94	3.52	3.08	2.64	2.22	1.85		
	4.5				3.65	5.05	5.96	6.59	6.06	5.42	4.73	4.06	3.42	2.84		
	4.75				4.67	6.47	7.62	8.43	7.76	6.93	6.06	5.19	4.38	3.63		
	5				5.93	8.20	9.67	10.70	9.84	8.80	7.69	6.59	5.55	4.61		
	6				8.21	11.35	13.38	14.81	13.63	12.18	10.64	9.12	7.69	6.38		
	7				10.49	14.51	17.10	18.92	17.41	15.56	13.59	11.65	9.82	8.15		
	8				12.80	17.71	20.88	23.10	21.25	18.99	16.59	14.22	11.99	9.95		
	10				15.08	20.86	24.59	27.21	25.04	22.37	19.54	16.75	14.12	11.72		

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R22

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 50	0.3		0.47	0.52	0.54	0.55	0.56	0.56	0.50	0.43	0.38	0.32	0.27	0.23	0.19	0.16
	0.5	0.75	0.89	0.98	1.01	1.04	1.06	1.07	0.94	0.82	0.71	0.61	0.52	0.43	0.36	0.29
	0.7	1.02	1.22	1.35	1.39	1.42	1.44	1.46	1.29	1.13	0.98	0.83	0.71	0.59	0.49	0.40
	1.0	1.50	1.79	1.97	2.03	2.08	2.11	2.13	1.88	1.65	1.43	1.22	1.03	0.86	0.72	0.59
	1.5	2.40	2.87	3.16	3.26	3.33	3.39	3.42	3.03	2.65	2.29	1.96	1.66	1.39	1.15	0.94
	2.0	3.03	3.62	3.99	4.11	4.21	4.28	4.32	3.82	3.34	2.89	2.47	2.09	1.75	1.45	1.19
	2.5	4.37	5.22	5.75	5.93	6.07	6.16	6.23	5.51	4.82	4.17	3.56	3.02	2.53	2.09	1.72
	3.0	6.97	8.33	9.17	9.46	9.67	9.83	9.93	8.78	7.68	6.64	5.68	4.81	4.03	3.34	2.74
	3.5	9.22	11.01	12.12	12.50	12.79	12.99	13.13	11.61	10.16	8.78	7.51	6.36	5.32	4.41	3.62
	4.5	12.84	15.33	16.89	17.41	17.82	18.10	18.29	16.17	14.15	12.24	10.46	8.86	7.42	6.14	5.04
	4.75	16.94	20.23	22.27	22.97	23.50	23.88	24.13	21.33	18.66	16.14	13.79	11.68	9.78	8.10	6.65
	5	21.98	26.25	28.90	29.81	30.49	30.99	31.31	27.67	24.22	20.95	17.90	15.16	12.70	10.52	8.63
	6	32.06	38.29	42.16	43.48	44.48	45.20	45.67	40.37	35.33	30.56	26.11	22.12	18.52	15.34	12.59
	7	41.20	49.20	54.18	55.88	57.16	58.08	58.69	51.88	45.40	39.27	33.56	28.42	23.80	19.72	16.18
	8	48.53	57.95	63.81	65.81	67.33	68.41	69.13	61.10	53.47	46.25	39.52	33.48	28.03	23.22	19.05
	10	56.80	67.82	74.69	77.03	78.80	80.07	80.91	71.52	62.59	54.14	46.26	39.18	32.81	27.18	22.30
+ 40	0.3		0.38	0.46	0.48	0.51	0.52	0.53	0.47	0.42	0.36	0.31	0.27	0.22	0.19	0.15
	0.5	0.47	0.73	0.87	0.92	0.96	0.98	1.01	0.90	0.79	0.69	0.59	0.50	0.42	0.35	0.29
	0.7	0.64	0.99	1.19	1.26	1.31	1.35	1.38	1.23	1.08	0.94	0.81	0.69	0.58	0.48	0.40
	1.0	0.93	1.45	1.74	1.83	1.91	1.97	2.01	1.79	1.58	1.38	1.18	1.01	0.85	0.70	0.58
	1.5	1.50	2.33	2.79	2.95	3.07	3.16	3.23	2.88	2.54	2.21	1.90	1.62	1.36	1.13	0.93
	2.0	1.89	2.94	3.52	3.72	3.87	3.99	4.07	3.63	3.20	2.79	2.40	2.04	1.72	1.43	1.17
	2.5	2.73	4.24	5.07	5.36	5.58	5.75	5.87	5.24	4.62	4.02	3.45	2.94	2.47	2.06	1.69
	3.0	4.35	6.76	8.09	8.55	8.90	9.17	9.37	8.35	7.37	6.41	5.51	4.69	3.94	3.28	2.70
	3.5	5.75	8.93	10.70	11.30	11.77	12.12	12.38	11.04	9.74	8.48	7.28	6.20	5.21	4.33	3.57
	4.5	8.01	12.45	14.90	15.74	16.39	16.89	17.25	15.39	13.57	11.81	10.15	8.64	7.26	6.04	4.97
	4.75	10.57	16.42	19.66	20.76	21.62	22.27	22.76	20.29	17.89	15.58	13.38	11.39	9.58	7.97	6.56
	5	13.72	21.30	25.51	26.94	28.06	28.91	29.53	26.34	23.22	20.21	17.37	14.78	12.43	10.34	8.51
	6	20.01	31.08	37.21	39.30	40.93	42.17	43.08	38.42	33.87	29.49	25.34	21.56	18.13	15.08	12.42
	7	25.71	39.93	47.82	50.50	52.59	54.18	55.36	49.37	43.53	37.89	32.56	27.71	23.30	19.38	15.96
	8	30.28	47.03	56.32	59.49	61.95	63.82	65.20	58.15	51.27	44.63	38.35	32.64	27.45	22.82	18.79
	10	35.45	55.05	65.92	69.63	72.50	74.70	76.31	68.06	60.01	52.24	44.88	38.20	32.12	26.71	22.00
+ 35	0.3		0.32	0.41	0.45	0.47	0.49	0.51	0.45	0.40	0.36	0.32	0.26	0.22	0.18	0.15
	0.5		0.60	0.79	0.85	0.90	0.93	0.96	0.86	0.76	0.67	0.58	0.49	0.41	0.35	0.28
	0.7		0.82	1.08	1.16	1.23	1.28	1.31	1.18	1.05	0.91	0.79	0.67	0.57	0.47	0.39
	1.0		1.20	1.57	1.70	1.79	1.87	1.92	1.72	1.53	1.34	1.15	0.98	0.83	0.69	0.57
	1.5		1.93	2.53	2.72	2.88	3.00	3.08	2.77	2.45	2.14	1.85	1.58	1.33	1.11	0.91
	2.0		2.43	3.19	3.44	3.63	3.78	3.89	3.49	3.10	2.71	2.33	1.99	1.68	1.40	1.15
	2.5		3.50	4.60	4.96	5.24	5.45	5.61	5.04	4.46	3.90	3.36	2.87	2.42	2.02	1.66
	3.0		5.59	7.33	7.90	8.35	8.69	8.95	8.03	7.12	6.22	5.36	4.58	3.86	3.22	2.65
	3.5		7.39	9.69	10.45	11.04	11.49	11.83	10.62	9.41	8.22	7.09	6.05	5.10	4.25	3.51
	4.5		10.29	13.50	14.56	15.38	16.01	16.49	14.79	13.11	11.46	9.88	8.43	7.11	5.92	4.89
	4.75		13.57	17.81	19.20	20.28	21.12	21.74	19.51	17.29	15.11	13.03	11.12	9.38	7.81	6.45
	5		17.61	23.11	24.92	26.32	27.40	28.22	25.32	22.44	19.61	16.91	14.43	12.17	10.14	8.36
	6		25.69	33.71	36.35	38.40	39.98	41.16	36.94	32.73	28.61	24.66	21.05	17.75	14.79	12.20
	7		33.02	43.32	46.71	49.34	51.37	52.90	47.47	42.06	36.76	31.69	27.05	22.81	19.00	15.68
	8		38.89	51.02	55.02	58.12	60.50	62.30	55.91	49.54	43.30	37.33	31.86	26.86	22.38	18.47
	10		45.52	59.72	64.40	68.02	70.82	72.92	65.44	57.98	50.68	43.69	37.29	31.44	26.20	21.61

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R22

Condensing Temperature T_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 30	0.3		0.22	0.36	0.40	0.43	0.46	0.48	0.43	0.39	0.34	0.29	0.25	0.21	0.18	0.15
	0.5		0.42	0.68	0.76	0.82	0.87	0.91	0.82	0.73	0.64	0.56	0.48	0.40	0.34	0.28
	0.7		0.57	0.94	1.04	1.13	1.19	1.24	1.12	1.00	0.88	0.76	0.65	0.55	0.46	0.38
	1.0		0.84	1.37	1.53	1.65	1.74	1.81	1.64	1.46	1.28	1.11	0.95	0.80	0.67	0.56
	1.5		1.34	2.19	2.45	2.64	2.79	2.91	2.63	2.35	2.06	1.78	1.53	1.29	1.08	0.89
	2.0		1.70	2.77	3.09	3.34	3.53	3.67	3.32	2.96	2.60	2.25	1.93	1.63	1.36	1.13
	2.5		2.45	3.99	4.46	4.81	5.08	5.29	4.79	4.27	3.75	3.25	2.78	2.35	1.96	1.62
	3.0		3.90	6.37	7.11	7.67	8.11	8.44	7.63	6.81	5.98	5.18	4.43	3.75	3.13	2.59
	3.5		5.16	8.42	9.39	10.14	10.72	11.15	10.09	9.00	7.90	6.84	5.86	4.95	4.14	3.42
	4.5		7.18	11.73	13.09	14.13	14.93	15.54	14.06	12.53	11.01	9.53	8.16	6.90	5.76	4.77
	4.75		9.48	15.47	17.26	18.64	19.69	20.50	18.54	16.53	14.52	12.57	10.77	9.10	7.60	6.29
	5		12.30	20.07	22.40	24.18	25.55	26.60	24.06	21.46	18.85	16.31	13.97	11.81	9.87	8.16
	6		17.94	29.28	32.68	35.28	37.28	38.80	35.10	31.30	27.49	23.80	20.38	17.23	14.39	11.90
	7		23.05	37.63	42.00	45.34	47.90	49.86	45.10	40.22	35.33	30.58	26.19	22.14	18.50	15.29
	8		27.15	44.32	49.46	53.40	56.42	58.72	53.13	47.37	41.61	36.02	30.85	26.08	21.79	18.01
	10		31.78	51.87	57.89	62.50	66.04	68.73	62.18	55.45	48.70	42.16	36.11	30.53	25.50	21.08
+ 25	0.3			0.18	0.27	0.33	0.37	0.40	0.37	0.34	0.30	0.27	0.23	0.20	0.16	0.14
	0.5			0.55	0.66	0.73	0.79	0.84	0.77	0.69	0.61	0.53	0.46	0.39	0.32	0.27
	0.7			0.75	0.90	1.01	1.09	1.15	1.05	0.95	0.84	0.73	0.63	0.53	0.44	0.37
	1.0			1.10	1.31	1.47	1.59	1.68	1.54	1.38	1.22	1.06	0.91	0.78	0.65	0.54
	1.5			1.76	2.11	2.36	2.55	2.70	2.47	2.22	1.96	1.71	1.47	1.24	1.04	0.86
	2.0			2.22	2.66	2.98	3.22	3.40	3.11	2.80	2.47	2.15	1.85	1.57	1.32	1.09
	2.5			3.20	3.83	4.29	4.64	4.91	4.49	4.04	3.57	3.10	2.67	2.26	1.90	1.57
	3.0			5.11	6.11	6.84	7.40	7.82	7.16	6.43	5.69	4.95	4.26	3.61	3.02	2.51
	3.5			6.75	8.08	9.05	9.78	10.34	9.46	8.51	7.52	6.54	5.63	4.77	4.00	3.31
	4.5			9.41	11.25	12.61	13.63	14.41	13.18	11.85	10.48	9.12	7.84	6.65	5.57	4.62
	4.75			12.41	14.84	16.63	17.98	19.00	17.39	15.63	13.82	12.03	10.34	8.77	7.35	6.09
	5			16.10	19.26	21.58	23.33	24.66	22.56	20.29	17.93	15.60	13.42	11.38	9.54	7.90
	6			23.49	28.10	31.48	34.03	35.98	32.91	29.59	26.16	22.76	19.58	16.61	13.91	11.53
	7			30.19	36.11	40.45	43.73	46.23	42.29	38.03	33.62	29.25	25.15	21.34	17.87	14.81
	8			35.55	42.53	47.64	51.51	54.45	49.81	44.79	39.60	34.45	29.63	25.13	21.05	17.45
	10			41.61	49.78	55.77	60.29	63.73	58.30	52.42	46.35	40.33	34.68	29.42	24.64	20.42
+ 20	0.3			0.29	0.35	0.39	0.42	0.44	0.40	0.36	0.32	0.28	0.24	0.21	0.17	0.14
	0.5			0.35	0.52	0.62	0.70	0.76	0.71	0.64	0.57	0.50	0.43	0.37	0.31	0.26
	0.7			0.48	0.70	0.85	0.96	1.04	0.97	0.88	0.78	0.69	0.59	0.51	0.43	0.35
	1.0			0.69	1.03	1.25	1.40	1.52	1.41	1.29	1.15	1.00	0.87	0.74	0.62	0.52
	1.5			1.11	1.65	2.00	2.25	2.44	2.27	2.06	1.84	1.61	1.39	1.19	1.00	0.83
	2.0			1.41	2.09	2.53	2.84	3.08	2.86	2.61	2.32	2.04	1.76	1.50	1.26	1.05
	2.5			2.03	3.01	3.64	4.10	4.44	4.13	3.76	3.35	2.93	2.54	2.16	1.82	1.51
	3.0			3.23	4.80	5.81	6.54	7.08	6.59	5.99	5.34	4.68	4.04	3.45	2.90	2.41
	3.5			4.28	6.34	7.68	8.64	9.36	8.71	7.92	7.06	6.19	5.35	4.55	3.83	3.18
	4.5			5.96	8.84	10.70	12.04	13.04	12.13	11.03	9.84	8.62	7.45	6.35	5.33	4.43
	4.75			7.86	11.66	14.11	15.88	17.20	16.00	14.55	12.98	11.37	9.83	8.37	7.04	5.85
	5			10.20	15.13	18.31	20.61	22.32	20.76	18.89	16.84	14.75	12.75	10.86	9.13	7.59
	6			14.88	22.07	26.71	30.06	32.57	30.28	27.55	24.57	21.52	18.60	15.85	13.32	11.07
	7			19.12	28.36	34.32	38.63	41.85	38.92	35.40	31.57	27.65	23.90	20.36	17.11	14.22
	8			22.52	33.40	40.43	45.50	49.29	45.84	41.70	37.18	32.57	28.15	23.98	20.16	16.75
	10			26.35	39.09	47.32	53.26	57.69	53.65	48.81	43.52	38.12	32.95	28.07	23.59	19.61

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R124

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 60	+ 55	+ 50	+ 45	+ 40	+35	+30	+25	+ 20	+ 15	+ 10	+ 5	± 0	- 5	- 10
+ 90	0.3		0.26	0.27	0.27	0.27	0.27	0.26	0.26	0.25	0.25	0.24	0.20	0.17	0.14	0.12
	0.5		0.49	0.50	0.51	0.51	0.51	0.50	0.49	0.48	0.47	0.45	0.38	0.32	0.27	0.22
	0.7		0.67	0.69	0.69	0.70	0.69	0.68	0.67	0.66	0.64	0.62	0.52	0.44	0.37	0.30
	1.0		0.98	1.01	1.02	1.02	1.02	1.00	0.99	0.96	0.94	0.91	0.77	0.65	0.54	0.44
	1.5		1.61	1.65	1.67	1.67	1.66	1.64	1.61	1.58	1.53	1.49	1.26	1.06	0.88	0.72
	2.0		2.01	2.06	2.08	2.09	2.08	2.05	2.02	1.97	1.92	1.86	1.57	1.32	1.10	0.90
	2.5		2.91	2.98	3.01	3.02	3.00	2.97	2.92	2.85	2.77	2.68	2.27	1.91	1.58	1.30
	3.0		4.56	4.67	4.72	4.73	4.71	4.66	4.57	4.47	4.34	4.21	3.57	2.99	2.48	2.04
	3.5		6.08	6.22	6.30	6.31	6.28	6.21	6.10	5.96	5.79	5.61	4.76	3.99	3.31	2.72
	4.5		8.41	8.61	8.70	8.73	8.69	8.58	8.43	8.24	8.01	7.76	6.57	5.52	4.58	3.76
	4.75		10.64	10.89	11.02	11.05	11.00	10.86	10.67	10.44	10.14	9.82	8.32	6.98	5.80	4.76
	5		14.40	14.74	14.91	14.95	14.88	14.70	14.44	14.12	13.71	13.28	11.26	9.45	7.84	6.44
	6		21.02	21.51	21.76	21.82	21.72	21.46	21.08	20.61	20.02	19.39	16.44	13.79	11.45	9.40
	7		27.01	27.65	27.96	28.04	27.91	27.57	27.09	26.48	25.73	24.92	21.12	17.72	14.71	12.07
	8		31.84	32.59	32.96	33.05	32.90	32.50	31.93	31.22	30.33	29.37	24.90	20.89	17.34	14.23
	10		37.29	38.17	38.61	38.71	38.54	38.07	37.41	36.57	35.52	34.41	29.16	24.47	20.31	16.67
+ 70	0.3		0.18	0.21	0.24	0.25	0.26	0.27	0.28	0.28	0.28	0.28	0.24	0.21	0.18	0.15
	0.5		0.34	0.41	0.45	0.48	0.50	0.51	0.52	0.53	0.53	0.52	0.45	0.39	0.33	0.28
	0.7		0.47	0.55	0.61	0.65	0.68	0.70	0.71	0.72	0.72	0.71	0.62	0.53	0.45	0.38
	1.0		0.69	0.81	0.90	0.96	1.00	1.03	1.05	1.05	1.05	1.05	0.91	0.78	0.67	0.56
	1.5		1.13	1.33	1.47	1.57	1.64	1.68	1.71	1.72	1.72	1.71	1.49	1.28	1.09	0.92
	2.0		1.41	1.66	1.84	1.96	2.05	2.11	2.14	2.16	2.15	2.14	1.86	1.60	1.36	1.15
	2.5		2.03	2.40	2.65	2.83	2.96	3.04	3.09	3.11	3.11	3.09	2.69	2.31	1.97	1.66
	3.0		3.19	3.76	4.16	4.44	4.64	4.77	4.85	4.89	4.88	4.85	4.22	3.63	3.09	2.60
	3.5		4.25	5.02	5.55	5.93	6.19	6.36	6.47	6.51	6.51	6.47	5.62	4.84	4.12	3.47
	4.5		5.88	6.94	7.67	8.19	8.56	8.80	8.94	9.00	8.99	8.94	7.77	6.69	5.69	4.80
	4.75		7.45	8.78	9.71	10.37	10.83	11.14	11.32	11.40	11.39	11.32	9.84	8.46	7.21	6.07
	5		10.07	11.88	13.13	14.03	14.66	15.07	15.31	15.42	15.40	15.31	13.31	11.45	9.75	8.22
	6		14.70	17.34	19.17	20.48	21.40	21.99	22.35	22.51	22.48	22.35	19.43	16.71	14.23	11.99
	7		18.89	22.28	24.64	26.31	27.50	28.26	28.72	28.93	28.90	28.72	24.97	21.48	18.29	15.41
	8		22.27	26.27	29.04	31.02	32.41	33.32	33.86	34.10	34.06	33.85	29.43	25.32	21.56	18.17
	10		26.09	30.77	34.02	36.33	37.97	39.03	39.66	39.95	39.90	39.65	34.47	29.66	25.26	21.28
+ 60	0.3			0.11	0.17	0.20	0.23	0.24	0.25	0.26	0.27	0.27	0.24	0.21	0.18	0.15
	0.5			0.21	0.32	0.38	0.43	0.46	0.48	0.50	0.51	0.51	0.45	0.39	0.34	0.29
	0.7			0.29	0.43	0.52	0.59	0.63	0.66	0.68	0.69	0.70	0.61	0.53	0.46	0.39
	1.0			0.43	0.64	0.77	0.86	0.92	0.97	1.00	1.01	1.02	0.90	0.78	0.68	0.57
	1.5			0.70	1.04	1.26	1.40	1.51	1.58	1.63	1.66	1.67	1.47	1.28	1.11	0.94
	2.0			0.87	1.30	1.57	1.76	1.88	1.98	2.04	2.07	2.09	1.84	1.60	1.38	1.18
	2.5			1.26	1.88	2.27	2.54	2.72	2.85	2.94	2.99	3.02	2.66	2.32	2.00	1.70
	3.0			1.97	2.95	3.56	3.98	4.27	4.48	4.62	4.70	4.74	4.18	3.64	3.13	2.66
	3.5			2.63	3.94	4.75	5.30	5.70	5.97	6.16	6.27	6.32	5.57	4.85	4.18	3.55
	4.5			3.63	5.44	6.56	7.33	7.87	8.25	8.51	8.66	8.74	7.70	6.70	5.77	4.91
	4.75			4.60	6.89	8.31	9.28	9.97	10.45	10.77	10.96	11.07	9.75	8.49	7.31	6.22
	5			6.22	9.33	11.24	12.56	13.49	14.14	14.58	14.83	14.97	13.19	11.48	9.88	8.41
	6			9.08	13.61	16.40	18.33	19.68	20.63	21.27	21.65	21.85	19.25	16.76	14.43	12.28
	7			11.67	17.49	21.08	23.56	25.29	26.52	27.34	27.83	28.08	24.74	21.54	18.54	15.78
	8			13.75	20.62	24.85	27.77	29.82	31.26	32.23	32.80	33.11	29.17	25.39	21.86	18.60
	10			16.11	24.15	29.11	32.53	34.93	36.61	37.75	38.42	38.78	34.17	29.74	25.60	21.79

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R124

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 60	+ 55	+ 50	+ 45	+ 40	+35	+30	+25	+ 20	+ 15	+ 10	+ 5	± 0	- 5	- 10
+ 50	0.3					0.08	0.15	0.18	0.21	0.23	0.24	0.25	0.22	0.20	0.17	0.15
	0.5					0.15	0.28	0.35	0.40	0.43	0.45	0.47	0.42	0.37	0.32	0.28
	0.7					0.21	0.38	0.48	0.54	0.58	0.62	0.64	0.57	0.51	0.44	0.38
	1.0					0.31	0.56	0.70	0.79	0.86	0.90	0.93	0.84	0.74	0.65	0.56
	1.5					0.50	0.91	1.14	1.30	1.40	1.48	1.53	1.37	1.22	1.06	0.91
	2.0					0.63	1.14	1.43	1.62	1.75	1.85	1.91	1.72	1.52	1.33	1.14
	2.5					0.91	1.65	2.06	2.34	2.53	2.67	2.76	2.48	2.19	1.91	1.65
	3.0					1.43	2.59	3.24	3.67	3.98	4.19	4.33	3.89	3.44	3.00	2.59
	3.5					1.90	3.45	4.31	4.90	5.30	5.58	5.78	5.19	4.59	4.01	3.45
	4.5					2.63	4.77	5.96	6.77	7.33	7.72	7.99	7.18	6.35	5.54	4.77
	4.75					3.33	6.04	7.55	8.57	9.28	9.77	10.11	9.09	8.04	7.01	6.03
	5					4.50	8.17	10.22	11.59	12.56	13.22	13.68	12.29	10.87	9.48	8.16
	6					6.57	11.92	14.91	16.92	18.33	19.30	19.97	17.94	15.87	13.84	11.91
	7					8.44	15.32	19.16	21.74	23.55	24.80	25.67	23.06	20.39	17.79	15.31
	8					9.95	18.06	22.59	25.63	27.76	29.24	30.26	27.18	24.04	20.97	18.05
	10					11.65	21.15	26.46	30.02	32.52	34.24	35.44	31.84	28.16	24.56	21.14
+ 40	0.3								0.12	0.16	0.18	0.20	0.19	0.17	0.15	0.13
	0.5								0.22	0.30	0.35	0.38	0.36	0.33	0.29	0.25
	0.7								0.30	0.41	0.48	0.52	0.49	0.45	0.40	0.35
	1.0								0.44	0.60	0.70	0.77	0.72	0.65	0.58	0.51
	1.5								0.72	0.98	1.14	1.26	1.17	1.07	0.95	0.83
	2.0								0.90	1.22	1.43	1.57	1.47	1.34	1.19	1.04
	2.5								1.30	1.77	2.06	2.27	2.12	1.93	1.72	1.51
	3.0								2.05	2.78	3.24	3.56	3.33	3.03	2.70	2.36
	3.5								2.73	3.70	4.32	4.75	4.44	4.04	3.60	3.15
	4.5								3.77	5.12	5.97	6.56	6.13	5.58	4.97	4.35
	4.75								4.78	6.48	7.56	8.31	7.77	7.07	6.30	5.51
	5								6.46	8.76	10.23	11.24	10.51	9.56	8.52	7.46
	6								9.43	12.79	14.93	16.40	15.34	13.95	12.43	10.88
	7								12.12	16.44	19.18	21.08	19.71	17.93	15.98	13.99
	8								14.28	19.38	22.61	24.85	23.23	21.14	18.84	16.49
	10								16.73	22.70	26.49	29.11	27.21	24.76	22.06	19.31
+ 30	0.3										0.07	0.12	0.13	0.13	0.12	0.11
	0.5										0.13	0.23	0.25	0.25	0.23	0.21
	0.7										0.17	0.31	0.34	0.34	0.32	0.29
	1.0										0.25	0.46	0.50	0.50	0.47	0.42
	1.5										0.41	0.75	0.83	0.82	0.77	0.70
	2.0										0.51	0.94	1.03	1.02	0.96	0.87
	2.5										0.74	1.36	1.49	1.48	1.38	1.26
	3.0										1.17	2.13	2.34	2.32	2.17	1.97
	3.5										1.55	2.84	3.12	3.09	2.90	2.63
	4.5										2.15	3.93	4.32	4.27	4.01	3.63
	4.75										2.72	4.97	5.46	5.40	5.07	4.60
	5										3.68	6.73	7.39	7.31	6.86	6.22
	6										5.37	9.82	10.79	10.67	10.01	9.08
	7										6.90	12.62	13.86	13.71	12.87	11.67
	8										8.13	14.88	16.34	16.16	15.17	13.75
	10										9.53	17.43	19.14	18.93	17.77	16.11

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R134a

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 50	0.3		0.32	0.35	0.36	0.36	0.36	0.36	0.31	0.26	0.22	0.18	0.15			
	0.5	0.52	0.62	0.67	0.68	0.69	0.69	0.69	0.59	0.50	0.42	0.34	0.28			
	0.7	0.72	0.85	0.92	0.94	0.95	0.96	0.95	0.82	0.69	0.58	0.48	0.39			
	1.0	1.04	1.23	1.33	1.36	1.37	1.38	1.38	1.18	1.00	0.83	0.69	0.56			
	1.5	1.69	1.99	2.15	2.20	2.22	2.23	2.23	1.90	1.61	1.34	1.11	0.91			
	2.0	2.17	2.56	2.77	2.82	2.86	2.87	2.86	2.45	2.07	1.73	1.43	1.17			
	2.5	3.05	3.60	3.89	3.97	4.02	4.04	4.03	3.45	2.91	2.43	2.01	1.64			
	3.0	4.98	5.88	6.35	6.48	6.56	6.59	6.57	5.62	4.75	3.97	3.28	2.68			
	3.5	6.58	7.78	8.40	8.57	8.67	8.71	8.70	7.43	6.28	5.25	4.33	3.54			
	4.5	8.91	10.53	11.38	11.61	11.74	11.79	11.77	10.06	8.50	7.10	5.87	4.79			
	4.75	12.04	14.23	15.37	15.69	15.86	15.93	15.91	13.60	11.49	9.60	7.93	6.48			
	5	15.09	17.83	19.27	19.66	19.88	19.97	19.93	17.04	14.4	12.03	9.94	8.12			
	6	20.88	24.66	26.65	27.19	27.5	27.62	27.57	23.57	19.92	16.64	13.74	11.22			
	7	26.74	31.59	34.13	34.82	35.22	35.37	35.31	30.19	25.51	21.31	17.6	14.38			
	8	32.76	38.70	41.82	42.66	43.15	43.34	43.26	36.99	31.26	26.11	21.56	17.61			
	10	38.54	45.53	49.20	50.19	50.77	50.98	50.90	43.52	36.77	30.71	25.37	20.72			
+ 40	0.3		0.26	0.31	0.32	0.33	0.34	0.34	0.30	0.25	0.21	0.18	0.15			
	0.5	0.29	0.49	0.58	0.61	0.63	0.65	0.65	0.57	0.48	0.41	0.34	0.28			
	0.7	0.40	0.68	0.81	0.85	0.88	0.90	0.91	0.78	0.67	0.56	0.47	0.38			
	1.0	0.58	0.98	1.17	1.23	1.27	1.29	1.31	1.13	0.96	0.81	0.68	0.56			
	1.5	0.93	1.58	1.89	1.98	2.05	2.09	2.11	1.83	1.56	1.31	1.09	0.90			
	2.0	1.20	2.03	2.43	2.55	2.63	2.69	2.72	2.35	2.00	1.69	1.40	1.15			
	2.5	1.69	2.86	3.42	3.59	3.70	3.78	3.82	3.31	2.82	2.37	1.98	1.62			
	3.0	2.76	4.67	5.58	5.85	6.04	6.17	6.24	5.39	4.60	3.87	3.22	2.65			
	3.5	3.64	6.17	7.38	7.74	7.99	8.16	8.25	7.13	6.08	5.12	4.26	3.51			
	4.5	4.93	8.36	9.98	10.48	10.82	11.04	11.17	9.66	8.24	6.94	5.77	4.75			
	4.75	6.67	11.29	13.49	14.16	14.62	14.92	15.10	13.05	11.13	9.37	7.80	6.41			
	5	8.36	14.15	16.91	17.74	18.32	18.70	18.92	16.36	13.95	11.75	9.78	8.04			
	6	11.56	19.57	23.39	24.54	25.34	25.87	26.17	22.62	19.29	16.25	13.52	11.12			
	7	14.80	25.07	29.95	31.43	32.46	33.13	33.51	28.97	24.71	20.81	17.32	14.24			
	8	18.13	30.71	36.7	38.50	39.77	40.59	41.06	35.50	30.28	25.50	21.22	17.45			
	10	21.33	36.14	43.18	45.30	46.78	47.76	48.31	41.76	35.62	30.00	24.96	20.53			
+ 35	0.3		0.20	0.27	0.30	0.31	0.32	0.33	0.29	0.24	0.21	0.17	0.14			
	0.5		0.39	0.52	0.56	0.59	0.61	0.62	0.54	0.47	0.39	0.33	0.27			
	0.7		0.54	0.72	0.78	0.82	0.85	0.86	0.75	0.65	0.55	0.46	0.38			
	1.0		0.77	1.05	1.13	1.18	1.22	1.25	1.09	0.93	0.79	0.66	0.54			
	1.5		1.25	1.69	1.82	1.91	1.97	2.02	1.76	1.51	1.27	1.07	0.88			
	2.0		1.61	2.17	2.34	2.46	2.54	2.59	2.26	1.94	1.64	1.37	1.13			
	2.5		2.26	3.06	3.29	3.46	3.57	3.65	3.18	2.73	2.31	1.93	1.59			
	3.0		3.69	4.99	5.37	5.64	5.83	5.95	5.18	4.45	3.76	3.15	2.60			
	3.5		4.88	6.59	7.10	7.46	7.71	7.87	6.85	5.88	4.98	4.16	3.43			
	4.5		6.61	8.93	9.61	10.09	10.43	10.65	9.28	7.96	6.74	5.63	4.65			
	4.75		8.93	12.06	12.98	13.64	14.10	14.40	12.54	10.76	9.11	7.61	6.28			
	5		11.19	15.12	16.27	17.10	17.67	18.04	15.71	13.48	11.41	9.54	7.87			
	6		15.48	20.91	22.50	23.64	24.44	24.96	21.73	18.65	15.78	13.19	10.89			
	7		19.83	26.78	28.82	30.28	31.3	31.96	27.83	23.89	20.22	16.89	13.94			
	8		24.29	32.81	35.31	37.10	38.35	39.16	34.10	29.26	24.77	20.70	17.08			
	10		28.58	38.60	41.54	43.65	45.12	46.07	40.12	34.43	29.14	24.35	20.10			

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R134a

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 30	0.3		0.11	0.23	0.26	0.28	0.30	0.31	0.27	0.23	0.20	0.17	0.14			
	0.5		0.22	0.44	0.50	0.54	0.56	0.58	0.51	0.44	0.38	0.32	0.26			
	0.7		0.31	0.61	0.69	0.74	0.78	0.81	0.71	0.62	0.52	0.44	0.36			
	1.0		0.44	0.88	0.99	1.07	1.13	1.17	1.03	0.89	0.76	0.64	0.53			
	1.5		0.71	1.42	1.60	1.73	1.82	1.89	1.66	1.44	1.22	1.03	0.85			
	2.0		0.92	1.83	2.06	2.23	2.35	2.43	2.13	1.85	1.57	1.32	1.09			
	2.5		1.29	2.57	2.90	3.14	3.30	3.42	3.00	2.60	2.21	1.86	1.54			
	3.0		2.10	4.20	4.73	5.12	5.39	5.57	4.90	4.24	3.61	3.03	2.51			
	3.5		2.78	5.55	6.26	6.77	7.12	7.37	6.48	5.60	4.77	4.01	3.32			
	4.5		3.76	7.52	8.48	9.16	9.64	9.98	8.77	7.59	6.46	5.43	4.50			
	4.75		5.09	10.16	11.45	12.38	13.03	13.48	11.86	10.25	8.73	7.33	6.08			
	5		6.38	12.73	14.36	15.51	16.33	16.90	14.86	12.85	10.94	9.19	7.62			
	6		8.82	17.61	19.85	21.45	22.58	23.37	20.55	17.77	15.13	12.71	10.53			
	7		11.29	22.55	25.43	27.47	28.92	29.93	26.32	22.76	19.38	16.28	13.49			
	8		13.84	27.63	31.16	33.66	35.44	36.67	32.25	27.89	23.75	19.94	16.53			
	10		16.28	32.51	36.65	39.60	41.69	43.14	37.94	32.81	27.94	23.46	19.45			
+ 25	0.3			0.17	0.21	0.24	0.27	0.28	0.25	0.22	0.19	0.16	.013			
	0.5			0.32	0.41	0.47	0.51	0.53	0.48	0.42	0.36	0.30	0.25			
	0.7			0.45	0.57	0.64	0.70	0.74	0.66	0.58	0.49	0.42	0.35			
	1.0			0.65	0.82	0.93	1.01	1.07	0.95	0.83	0.71	0.60	0.50			
	1.5			1.05	1.32	1.50	1.63	1.72	1.54	1.34	1.15	0.98	0.81			
	2.0			1.35	1.70	1.93	2.10	2.22	1.98	1.73	1.48	1.25	1.04			
	2.5			1.89	2.39	2.72	2.96	3.12	2.78	2.43	2.09	1.76	1.47			
	3.0			3.09	3.90	4.44	4.82	5.09	4.54	3.97	3.41	2.88	2.40			
	3.5			4.09	5.16	5.88	6.38	6.74	6.01	5.25	4.51	3.81	3.17			
	4.5			5.53	6.98	7.95	8.64	9.12	8.13	7.11	6.10	5.16	4.30			
	4.75			7.48	9.44	10.75	11.67	12.32	10.99	9.60	8.24	6.97	5.80			
	5			9.37	11.83	13.47	14.63	15.44	13.77	12.04	10.33	8.73	7.27			
	6			12.96	16.35	18.63	20.23	21.36	19.05	16.65	14.29	12.08	10.06			
	7			16.60	20.95	23.86	25.91	27.35	24.40	21.32	18.30	15.47	12.89			
	8			20.34	25.66	29.23	31.74	33.51	29.89	26.12	22.42	18.95	15.79			
	10			23.93	30.19	34.39	37.34	39.43	35.17	30.73	26.38	22.29	18.57			
+ 20	0.3				0.15	0.20	0.23	0.24	0.22	0.20	0.17	0.15	0.12			
	0.5				0.28	0.37	0.43	0.47	0.43	0.38	0.33	0.28	0.24			
	0.7				0.39	0.52	0.60	0.65	0.59	0.53	0.46	0.39	0.33			
	1.0				0.57	0.74	0.86	0.94	0.86	0.76	0.66	0.56	0.47			
	1.5				0.91	1.20	1.39	1.52	1.39	1.23	1.07	0.91	0.76			
	2.0				1.18	1.55	1.79	1.96	1.78	1.58	1.38	1.17	0.98			
	2.5				1.66	2.18	2.52	2.75	2.51	2.23	1.94	1.65	1.38			
	3.0				2.70	3.55	4.11	4.49	4.10	3.64	3.16	2.69	2.26			
	3.5				3.57	4.70	5.43	5.94	5.42	4.81	4.18	3.56	2.99			
	4.5				4.83	6.36	7.35	8.04	7.34	6.51	5.65	4.82	4.04			
	4.75				6.53	8.60	9.94	10.87	9.92	8.80	7.64	6.51	5.46			
	5				8.19	10.77	12.46	13.62	12.43	11.03	9.57	8.16	6.84			
	6				11.32	14.90	17.23	18.84	17.19	15.25	13.24	11.29	9.47			
	7				14.50	19.08	22.06	24.13	22.01	19.53	16.96	14.45	12.12			
	8				17.77	23.38	27.03	29.56	26.97	23.93	20.78	17.71	14.85			
	10				20.91	27.51	31.80	34.78	31.73	28.16	24.44	20.83	17.47			

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R401A

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 50	0.5	0.59	0.71	0.77	0.79	0.80	0.81	0.81	0.70	0.59	0.50	0.42	0.34	0.28		
	0.7	0.79	0.94	1.03	1.05	1.07	1.08	1.08	0.93	0.79	0.67	0.56	0.46	0.37		
	1.0	1.19	1.41	1.54	1.58	1.60	1.62	1.63	1.40	1.19	1.00	0.83	0.69	0.56		
	1.5	1.90	2.26	2.46	2.52	2.57	2.59	2.60	2.24	1.90	1.60	1.33	1.10	0.89		
	2.0	2.45	2.92	3.18	3.26	3.31	3.35	3.36	2.89	2.46	2.07	1.72	1.42	1.15		
	2.5	3.48	4.14	4.51	4.63	4.70	4.75	4.77	4.10	3.49	2.94	2.44	2.01	1.64		
	3.0	5.62	6.68	7.28	7.47	7.59	7.66	7.69	6.62	5.63	4.74	3.94	3.25	2.64		
	3.5	7.36	8.75	9.54	9.78	9.94	10.04	10.08	8.67	7.38	6.21	5.16	4.25	3.46		
	4.5	10.28	12.24	13.33	13.67	13.89	14.03	14.08	12.12	10.31	8.68	7.22	5.94	4.84		
	4.75	13.53	16.10	17.54	17.98	18.28	18.46	18.53	15.95	13.56	11.41	9.49	7.82	6.37		
	5	17.56	20.90	22.77	23.35	23.73	23.96	24.05	20.70	17.61	14.82	12.32	10.15	8.27		
	6	25.63	30.50	33.23	34.07	34.63	34.97	35.10	30.21	25.70	21.62	17.98	14.81	12.07		
	7	32.91	39.16	42.67	43.75	44.46	44.90	45.07	38.79	33.00	27.76	23.09	19.01	15.49		
	8	38.76	46.12	50.26	51.53	52.37	52.89	53.09	45.69	38.87	32.70	27.20	22.40	18.25		
	10	45.33	53.93	58.77	60.26	61.24	61.84	62.08	53.43	45.45	38.24	31.80	26.19	21.34		
+ 40	0.5	0.34	0.56	0.68	0.71	0.74	0.76	0.77	0.67	0.57	0.49	0.41	0.34	0.28		
	0.7	0.45	0.75	0.90	0.95	0.98	1.01	1.03	0.89	0.77	0.65	0.54	0.45	0.37		
	1.0	0.68	1.13	1.35	1.42	1.48	1.51	1.54	1.34	1.15	0.97	0.81	0.67	0.55		
	1.5	1.08	1.80	2.16	2.28	2.36	2.42	2.46	2.14	1.84	1.56	1.30	1.08	0.88		
	2.0	1.40	2.33	2.79	2.94	3.05	3.13	3.18	2.77	2.37	2.01	1.68	1.39	1.14		
	2.5	1.99	3.31	3.97	4.18	4.33	4.44	4.51	3.93	3.37	2.85	2.39	1.98	1.62		
	3.0	3.21	5.33	6.40	6.74	6.99	7.17	7.28	6.33	5.43	4.61	3.86	3.19	2.62		
	3.5	4.20	6.99	8.38	8.83	9.15	9.39	9.54	8.30	7.12	6.03	5.05	4.18	3.43		
	4.5	5.87	9.77	11.72	12.34	12.80	13.12	13.34	11.60	9.95	8.43	7.06	5.85	4.79		
	4.75	7.73	12.85	15.41	16.23	16.83	17.26	17.54	15.25	13.09	11.09	9.29	7.69	6.30		
	5	10.03	16.68	20.01	21.07	21.85	22.41	22.78	19.80	16.99	14.40	12.06	9.98	8.18		
	6	14.64	24.34	29.21	30.76	31.89	32.71	33.24	28.90	24.80	21.02	17.59	14.57	11.93		
	7	18.80	31.26	37.50	39.49	40.95	41.99	42.68	37.11	31.84	26.99	22.59	18.71	15.32		
	8	22.14	36.82	44.17	46.51	48.23	49.46	50.27	43.71	37.51	31.79	26.61	22.04	18.05		
	10	25.89	43.05	51.65	54.39	56.40	57.84	58.79	51.12	43.86	37.17	31.12	25.77	21.11		
+ 35	0.5		0.45	0.61	0.65	0.69	0.72	0.73	0.64	0.55	0.47	0.40	0.33	0.27		
	0.7		0.60	0.81	0.87	0.92	0.95	0.98	0.86	0.74	0.63	0.53	0.44	0.36		
	1.0		0.90	1.21	1.31	1.38	1.43	1.47	1.29	1.11	0.94	0.79	0.66	0.54		
	1.5		1.44	1.94	2.09	2.21	2.29	2.35	2.06	1.77	1.51	1.27	1.06	0.87		
	2.0		1.87	2.51	2.70	2.85	2.96	3.03	2.66	2.29	1.95	1.64	1.36	1.12		
	2.5		2.65	3.56	3.84	4.05	4.20	4.31	3.77	3.25	2.77	2.33	1.93	1.59		
	3.0		4.27	5.74	6.19	6.53	6.78	6.95	6.08	5.25	4.47	3.76	3.12	2.56		
	3.5		5.60	7.52	8.11	8.55	8.87	9.10	7.97	6.88	5.85	4.92	4.09	3.36		
	4.5		7.82	10.51	11.34	11.95	12.41	12.72	11.14	9.61	8.18	6.88	5.72	4.69		
	4.75		10.29	13.83	14.92	15.72	16.32	16.74	14.65	12.64	10.77	9.05	7.52	6.17		
	5		13.36	17.95	19.37	20.41	21.19	21.73	19.02	16.42	13.98	11.75	9.76	8.02		
	6		19.50	26.20	28.27	29.79	30.92	31.71	27.76	23.96	20.40	17.14	14.24	11.70		
	7		25.04	33.64	36.29	38.25	39.70	40.71	35.65	30.76	26.19	22.01	18.29	15.02		
	8		29.49	39.62	42.75	45.06	46.76	47.95	41.99	36.23	30.85	25.92	21.54	17.69		
	10		34.48	46.33	49.99	52.69	54.68	56.08	49.10	42.37	36.07	30.32	25.19	20.69		

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R401A

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 30	0.5		0.28	0.52	0.58	0.63	0.66	0.69	0.61	0.53	0.45	0.38	0.32	0.26		
	0.7		0.37	0.69	0.77	0.84	0.88	0.92	0.81	0.71	0.60	0.51	0.43	0.35		
	1.0		0.55	1.03	1.16	1.26	1.33	1.38	1.22	1.06	0.91	0.76	0.64	0.53		
	1.5		0.88	1.65	1.86	2.01	2.12	2.20	1.95	1.69	1.45	1.22	1.02	0.84		
	2.0		1.14	2.13	2.40	2.60	2.74	2.85	2.51	2.19	1.87	1.58	1.32	1.09		
	2.5		1.62	3.02	3.41	3.68	3.89	4.04	3.57	3.10	2.66	2.24	1.87	1.54		
	3.0		2.62	4.88	5.49	5.94	6.28	6.52	5.76	5.01	4.29	3.62	3.02	2.49		
	3.5		3.43	6.39	7.20	7.79	8.22	8.54	7.54	6.56	5.61	4.74	3.95	3.26		
	4.5		4.79	8.94	10.06	10.88	11.49	11.93	10.55	9.17	7.85	6.63	5.53	4.55		
	4.75		6.30	11.75	13.23	14.32	15.12	15.70	13.87	12.06	10.32	8.72	7.27	5.99		
	5		8.18	15.26	17.18	18.58	19.62	20.38	18.01	15.65	13.40	11.32	9.44	7.78		
	6		11.94	22.27	25.08	27.12	28.64	29.74	26.28	22.84	19.56	16.52	13.78	11.35		
	7		15.33	28.60	32.20	34.83	36.77	38.18	33.75	29.33	25.12	21.21	17.69	14.57		
	8		18.06	33.68	37.92	41.02	43.32	44.98	39.75	34.55	29.58	24.98	20.83	17.17		
	10		21.12	39.39	44.35	47.97	50.65	52.60	46.48	40.40	34.59	29.21	24.36	20.08		
+ 25	0.5			0.39	0.48	0.55	0.60	0.63	0.57	0.50	0.43	0.36	0.31	0.25		
	0.7			0.52	0.65	0.73	0.80	0.84	0.75	0.66	0.57	0.49	0.41	0.34		
	1.0			0.78	0.97	1.10	1.19	1.26	1.13	0.99	0.86	0.73	0.61	0.50		
	1.5			1.25	1.55	1.76	1.91	2.02	1.81	1.59	1.37	1.16	0.98	0.81		
	2.0			1.62	2.00	2.27	2.47	2.61	2.34	2.05	1.77	1.50	1.26	1.04		
	2.5			2.29	2.85	3.23	3.51	3.71	3.32	2.91	2.51	2.14	1.79	1.48		
	3.0			3.70	4.59	5.21	5.66	5.98	5.36	4.70	4.06	3.45	2.89	2.39		
	3.5			4.85	6.01	6.82	7.41	7.84	7.02	6.16	5.31	4.51	3.78	3.13		
	4.5			6.78	8.41	9.53	10.36	10.96	9.81	8.61	7.43	6.31	5.29	4.37		
	4.75			8.91	11.06	12.54	13.62	14.41	12.90	11.32	9.77	8.30	6.95	5.75		
	5			11.57	14.35	16.28	17.69	18.71	16.75	14.70	12.68	10.77	9.03	7.47		
	6			16.89	20.95	23.76	25.81	27.30	24.45	21.46	18.51	15.72	13.18	10.90		
	7			21.69	26.90	30.51	33.14	35.06	31.39	27.55	23.77	20.19	16.92	13.99		
	8			25.55	31.68	35.94	39.03	41.29	36.97	32.45	28.00	23.78	19.93	16.48		
	10			29.87	37.05	42.03	45.65	48.29	43.24	37.95	32.74	27.81	23.30	19.28		
+ 20	0.5			0.17	0.35	0.45	0.52	0.56	0.51	0.46	0.40	0.34	0.29	0.24		
	0.7			0.23	0.47	0.60	0.69	0.75	0.69	0.61	0.53	0.46	0.38	0.32		
	1.0			0.35	0.70	0.90	1.03	1.12	1.03	0.91	0.80	0.68	0.58	0.48		
	1.5			0.56	1.13	1.44	1.65	1.80	1.64	1.46	1.28	1.09	0.92	0.77		
	2.0			0.72	1.46	1.86	2.13	2.32	2.12	1.89	1.65	1.41	1.19	0.99		
	2.5			1.02	2.07	2.64	3.02	3.30	3.01	2.68	2.34	2.00	1.69	1.40		
	3.0			1.65	3.34	4.25	4.88	5.32	4.86	4.33	3.77	3.23	2.72	2.26		
	3.5			2.17	4.37	5.57	6.39	6.97	6.37	5.67	4.94	4.23	3.57	2.97		
	4.5			3.03	6.11	7.79	8.93	9.75	8.91	7.93	6.91	5.92	4.99	4.15		
	4.75			3.98	8.04	10.25	11.75	12.82	11.72	10.43	9.09	7.78	6.56	5.45		
	5			5.17	10.43	13.30	15.25	16.65	15.21	13.54	11.80	10.10	8.52	7.08		
	6			7.55	15.22	19.41	22.26	24.30	22.20	19.76	17.23	14.75	12.43	10.34		
	7			9.69	19.55	24.92	28.58	31.20	28.50	25.37	22.12	18.93	15.97	13.27		
	8			11.41	23.02	29.36	33.66	36.75	33.57	29.89	26.05	22.30	18.81	15.63		
	10			13.35	26.92	34.33	39.37	42.97	39.26	34.95	30.47	26.08	21.99	18.28		

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R402A

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 50	0.5	0.51	0.60	0.64	0.65	0.66	0.66	0.66	0.57	0.49	0.42	0.35	0.29	0.24	0.19	0.15
	0.7	0.70	0.82	0.88	0.89	0.90	0.90	0.90	0.78	0.67	0.57	0.48	0.40	0.32	0.26	0.21
	1.0	1.05	1.23	1.32	1.34	1.35	1.36	1.35	1.17	1.01	0.86	0.72	0.59	0.49	0.39	0.31
	1.5	1.68	1.96	2.11	2.15	2.17	2.17	2.16	1.87	1.61	1.37	1.15	0.95	0.78	0.63	0.50
	2.0	2.11	2.45	2.64	2.68	2.71	2.71	2.70	2.34	2.01	1.71	1.43	1.19	0.97	0.79	0.63
	2.5	3.02	3.52	3.78	3.85	3.88	3.89	3.87	3.36	2.89	2.45	2.05	1.70	1.39	1.13	0.90
	3.0	4.77	5.56	5.98	6.08	6.14	6.14	6.11	5.31	4.57	3.88	3.25	2.69	2.21	1.78	1.43
	3.5	6.32	7.36	7.92	8.05	8.12	8.13	8.09	7.03	6.04	5.13	4.30	3.57	2.92	2.36	1.89
	4.5	8.84	10.31	11.08	11.27	11.37	11.38	11.33	9.84	8.46	7.18	6.02	4.99	4.09	3.30	2.64
	4.75	11.65	13.58	14.60	14.85	14.98	15.00	14.92	12.97	11.15	9.47	7.93	6.58	5.38	4.35	3.48
	5	15.09	17.59	18.91	19.23	19.40	19.43	19.33	16.80	14.44	12.26	10.27	8.52	6.97	5.64	4.51
	6	22.04	25.69	27.62	28.08	28.33	28.37	28.22	24.53	21.09	17.91	15.00	12.44	10.18	8.23	6.59
	7	28.29	32.97	35.45	36.04	36.36	36.41	36.22	31.48	27.06	22.98	19.25	15.97	13.07	10.57	8.45
	8	33.34	38.86	41.78	42.48	42.86	42.92	42.70	37.11	31.90	27.09	22.69	18.82	15.40	12.46	9.96
	10	39.03	45.48	48.91	49.73	50.17	50.24	49.98	43.44	37.34	31.71	26.56	22.03	18.03	14.58	11.66
+ 40	0.5	0.37	0.54	0.64	0.66	0.68	0.69	0.70	0.62	0.54	0.46	0.39	0.33	0.27	0.22	0.18
	0.7	0.51	0.75	0.87	0.91	0.93	0.95	0.96	0.84	0.73	0.63	0.53	0.45	0.37	0.30	0.25
	1.0	0.76	1.12	1.30	1.36	1.40	1.43	1.44	1.27	1.10	0.95	0.80	0.67	0.56	0.45	0.37
	1.5	1.22	1.79	2.09	2.18	2.24	2.28	2.30	2.03	1.76	1.51	1.28	1.07	0.89	0.73	0.59
	2.0	1.52	2.24	2.61	2.72	2.80	2.85	2.88	2.53	2.20	1.89	1.60	1.34	1.11	0.91	0.74
	2.5	2.18	3.20	3.74	3.90	4.01	4.09	4.13	3.63	3.16	2.71	2.30	1.93	1.59	1.30	1.05
	3.0	3.44	5.07	5.92	6.17	6.35	6.46	6.52	5.74	5.00	4.29	3.63	3.04	2.52	2.06	1.67
	3.5	4.56	6.71	7.83	8.16	8.40	8.56	8.63	7.60	6.61	5.68	4.81	4.03	3.33	2.73	2.21
	4.5	6.38	9.39	10.96	11.43	11.76	11.98	12.09	10.64	9.26	7.95	6.73	5.64	4.67	3.82	3.09
	4.75	8.41	12.37	14.44	15.06	15.50	15.78	15.92	14.02	12.19	10.47	8.87	7.43	6.15	5.03	4.07
	5	10.89	16.02	18.70	19.50	20.07	20.44	20.63	18.16	15.79	13.56	11.48	9.63	7.96	6.51	5.27
	6	15.90	23.40	27.32	28.49	29.32	29.85	30.12	26.52	23.07	19.81	16.77	14.06	11.63	9.51	7.70
	7	20.41	30.03	35.06	36.56	37.63	38.31	38.66	34.03	29.60	25.42	21.52	18.05	14.93	12.21	9.88
	8	24.06	35.39	41.32	43.09	44.35	45.15	45.57	40.12	34.89	29.96	25.37	21.27	17.60	14.39	11.64
	10	28.16	41.43	48.37	50.44	51.91	52.85	53.34	46.96	40.84	35.07	29.69	24.90	20.60	16.84	13.63
+ 35	0.5		0.48	0.60	0.64	0.67	0.69	0.70	0.62	0.54	0.47	0.40	0.34	0.28	0.23	0.19
	0.7		0.65	0.83	0.88	0.92	0.94	0.96	0.85	0.75	0.64	0.55	0.46	0.38	0.32	0.26
	1.0		0.98	1.24	1.32	1.38	1.42	1.44	1.28	1.12	0.97	0.82	0.69	0.58	0.47	0.38
	1.5		1.56	1.98	2.11	2.20	2.27	2.31	2.05	1.79	1.55	1.32	1.11	0.92	0.76	0.61
	2.0		1.95	2.48	2.64	2.75	2.83	2.88	2.56	2.24	1.93	1.64	1.39	1.15	0.95	0.77
	2.5		2.80	3.55	3.78	3.94	4.06	4.13	3.67	3.21	2.77	2.36	1.99	1.65	1.36	1.10
	3.0		4.43	5.61	5.97	6.24	6.42	6.54	5.80	5.07	4.38	3.73	3.14	2.61	2.14	1.74
	3.5		5.86	7.43	7.91	8.26	8.50	8.65	7.67	6.71	5.80	4.93	4.16	3.45	2.84	2.31
	4.5		8.21	10.40	11.07	11.56	11.90	12.11	10.74	9.40	8.12	6.91	5.82	4.84	3.97	3.23
	4.75		10.81	13.71	14.58	15.23	15.67	15.96	14.15	12.39	10.69	9.10	7.67	6.37	5.23	4.25
	5		14.00	17.75	18.89	19.72	20.30	20.67	18.33	16.04	13.85	11.79	9.93	8.25	6.78	5.51
	6		20.45	25.93	27.59	28.80	29.65	30.18	26.76	23.43	20.23	17.21	14.50	12.05	9.90	8.04
	7		26.24	33.27	35.40	36.96	38.05	38.74	34.35	30.07	25.96	22.09	18.61	15.47	12.70	10.32
	8		30.93	39.22	41.73	43.57	44.85	45.66	40.49	35.44	30.60	26.04	21.94	18.23	14.97	12.17
	10		36.21	45.91	48.85	51.00	52.49	53.44	47.39	41.48	35.82	30.48	25.68	21.34	17.53	14.24

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R402A

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 30	0.5		0.36	0.55	0.60	0.64	0.67	0.69	0.62	0.54	0.47	0.40	0.34	0.29	0.24	0.19
	0.7		0.50	0.75	0.82	0.88	0.92	0.94	0.84	0.74	0.65	0.55	0.47	0.39	0.32	0.26
	1.0		0.74	1.13	1.24	1.32	1.38	1.42	1.27	1.12	0.97	0.83	0.70	0.59	0.48	0.39
	1.5		1.19	1.80	1.98	2.11	2.20	2.27	2.03	1.79	1.55	1.33	1.12	0.94	0.77	0.63
	2.0		1.49	2.25	2.47	2.64	2.75	2.83	2.53	2.23	1.94	1.66	1.41	1.17	0.97	0.79
	2.5		2.13	3.23	3.54	3.78	3.95	4.06	3.63	3.20	2.78	2.38	2.02	1.68	1.39	1.13
	3.0		3.37	5.10	5.61	5.97	6.24	6.42	5.75	5.07	4.40	3.77	3.19	2.66	2.19	1.79
	3.5		4.46	6.76	7.42	7.91	8.26	8.50	7.60	6.70	5.82	4.98	4.22	3.52	2.90	2.37
	4.5		6.24	9.46	10.39	11.07	11.56	11.90	10.65	9.39	8.15	6.98	5.91	4.93	4.07	3.32
	4.75		8.23	12.46	13.68	14.58	15.23	15.68	14.03	12.37	10.74	9.19	7.78	6.50	5.36	4.37
	5		10.65	16.14	17.72	18.89	19.73	20.31	18.17	16.02	13.91	11.90	10.08	8.41	6.94	5.66
	6		15.56	23.57	25.88	27.59	28.81	29.66	26.53	23.39	20.32	17.39	14.72	12.29	10.13	8.27
	7		19.97	30.25	33.22	35.40	36.98	38.06	34.05	30.02	26.08	22.31	18.89	15.77	13.00	10.61
	8		23.54	35.66	39.16	41.73	43.58	44.86	40.13	35.38	30.74	26.30	22.26	18.59	15.33	12.51
	10		27.55	41.74	45.83	48.85	51.02	52.51	46.98	41.42	35.98	30.79	26.06	21.76	17.94	14.64
+ 25	0.5			0.46	0.54	0.59	0.63	0.66	0.60	0.53	0.47	0.40	0.34	0.29	0.24	0.19
	0.7			0.64	0.74	0.82	0.87	0.91	0.82	0.73	0.64	0.55	0.47	0.39	0.33	0.27
	1.0			0.95	1.11	1.22	1.30	1.36	1.23	1.10	0.96	0.83	0.70	0.59	0.49	0.40
	1.5			1.53	1.78	1.96	2.09	2.18	1.97	1.75	1.54	1.32	1.12	0.94	0.78	0.64
	2.0			1.91	2.22	2.45	2.61	2.73	2.47	2.19	1.92	1.65	1.41	1.18	0.98	0.80
	2.5			2.73	3.18	3.50	3.74	3.91	3.53	3.14	2.75	2.37	2.01	1.69	1.40	1.15
	3.0			4.32	5.03	5.54	5.91	6.18	5.59	4.97	4.35	3.74	3.19	2.67	2.21	1.81
	3.5			5.72	6.66	7.34	7.83	8.18	7.40	6.58	5.76	4.96	4.22	3.54	2.93	2.40
	4.5			8.01	9.32	10.27	10.96	11.45	10.36	9.21	8.06	6.94	5.90	4.95	4.10	3.36
	4.75			10.55	12.28	13.53	14.43	15.08	13.64	12.14	10.62	9.14	7.78	6.52	5.40	4.42
	5			13.66	15.91	17.52	18.70	19.53	17.67	15.72	13.75	11.84	10.07	8.45	7.00	5.73
	6			19.96	23.24	25.59	27.30	28.53	25.81	22.96	20.08	17.29	14.71	12.34	10.22	8.37
	7			25.61	29.82	32.85	35.04	36.62	33.12	29.46	25.78	22.19	18.88	15.83	13.11	10.74
	8			30.19	35.15	38.71	41.30	43.16	39.04	34.73	30.38	26.15	22.25	18.66	15.45	12.66
	10			35.34	41.14	45.32	48.35	50.52	45.70	40.65	35.56	30.61	26.04	21.84	18.09	14.82
+ 20	0.5			0.33	0.45	0.53	0.58	0.62	0.57	0.51	0.45	0.39	0.34	0.28	0.24	0.19
	0.7			0.45	0.62	0.72	0.80	0.85	0.78	0.70	0.62	0.54	0.46	0.39	0.32	0.27
	1.0			0.68	0.92	1.08	1.20	1.28	1.18	1.06	0.93	0.81	0.69	0.58	0.49	0.40
	1.5			1.09	1.48	1.73	1.92	2.05	1.88	1.69	1.49	1.29	1.11	0.93	0.78	0.64
	2.0			1.36	1.85	2.17	2.39	2.56	2.35	2.11	1.87	1.62	1.39	1.17	0.97	0.80
	2.5			1.95	2.65	3.11	3.43	3.67	3.37	3.03	2.68	2.32	1.99	1.67	1.39	1.14
	3.0			3.09	4.19	4.91	5.43	5.80	5.33	4.79	4.23	3.67	3.14	2.65	2.20	1.81
	3.5			4.09	5.54	6.50	7.18	7.68	7.05	6.34	5.60	4.85	4.16	3.50	2.91	2.40
	4.5			5.72	7.76	9.10	10.06	10.75	9.87	8.88	7.84	6.80	5.82	4.90	4.08	3.35
	4.75			7.54	10.23	12.00	13.25	14.16	13.01	11.70	10.33	8.95	7.66	6.46	5.37	4.42
	5			9.77	13.24	15.54	17.16	18.34	16.84	15.16	13.38	11.60	9.93	8.37	6.96	5.72
	6			14.26	19.34	22.69	25.07	26.78	24.60	22.13	19.54	16.94	14.50	12.22	10.16	8.36
	7			18.31	24.82	29.12	32.17	34.37	31.57	28.41	25.08	21.74	18.61	15.68	13.05	10.73
	8			21.58	29.26	34.32	37.92	40.51	37.21	33.48	29.56	25.62	21.93	18.49	15.38	12.64
	10			25.26	34.25	40.18	44.38	47.42	43.56	39.19	34.60	29.99	25.67	21.64	18.00	14.80

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R404A

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 50	0.3		0.30	0.32	0.32	0.33	0.32	0.32	0.28	0.24	0.20	0.16	0.14	0.11	0.09	0.07
	0.5	0.49	0.57	0.60	0.61	0.61	0.61	0.60	0.52	0.44	0.37	0.31	0.26	0.21	0.17	0.13
	0.7	0.70	0.81	0.86	0.87	0.88	0.87	0.86	0.74	0.64	0.54	0.45	0.37	0.30	0.24	0.19
	1.0	1.01	1.17	1.25	1.26	1.27	1.26	1.25	1.08	0.92	0.78	0.65	0.53	0.43	0.35	0.27
	1.5	1.60	1.86	1.98	2.01	2.01	2.01	1.98	1.71	1.46	1.23	1.03	0.84	0.68	0.55	0.43
	2.0	2.02	2.34	2.50	2.53	2.54	2.53	2.50	2.16	1.84	1.55	1.29	1.06	0.86	0.69	0.55
	2.5	2.93	3.39	3.62	3.66	3.68	3.66	3.62	3.13	2.67	2.25	1.87	1.54	1.25	1.00	0.79
	3.0	4.67	5.41	5.77	5.84	5.87	5.84	5.78	4.99	4.26	3.59	2.99	2.45	1.99	1.60	1.26
	3.5	6.13	7.11	7.58	7.68	7.70	7.67	7.59	6.55	5.59	4.71	3.92	3.22	2.61	2.10	1.66
	4.5	8.57	9.94	10.59	10.73	10.77	10.72	10.60	9.16	7.82	6.59	5.48	4.50	3.65	2.93	2.32
	4.75	11.29	13.09	13.95	14.13	14.18	14.12	13.97	12.06	10.30	8.68	7.22	5.93	4.81	3.86	3.05
	5	14.64	16.97	18.08	18.32	18.38	18.31	18.10	15.64	13.35	11.25	9.36	7.69	6.24	5.00	3.96
	6	21.33	24.72	26.35	26.69	26.79	26.68	26.38	22.78	19.45	16.39	13.64	11.20	9.09	7.29	5.76
	7	27.39	31.75	33.84	34.28	34.40	34.26	33.88	29.26	24.98	21.05	17.52	14.38	11.68	9.36	7.40
	8	32.27	37.41	39.87	40.38	40.53	40.36	39.92	34.47	29.43	24.80	20.64	16.95	13.76	11.03	8.72
	10	37.77	43.79	46.67	47.27	47.45	47.25	46.73	40.36	34.45	29.04	24.16	19.84	16.10	12.91	10.21
+ 40	0.3		0.28	0.32	0.33	0.34	0.35	0.35	0.31	0.27	0.23	0.19	0.16	0.13	0.11	0.09
	0.5	0.35	0.52	0.61	0.63	0.65	0.66	0.66	0.58	0.50	0.43	0.36	0.30	0.25	0.20	0.16
	0.7	0.51	0.75	0.87	0.90	0.92	0.94	0.94	0.82	0.71	0.61	0.51	0.43	0.35	0.29	0.23
	1.0	0.73	1.08	1.25	1.31	1.34	1.36	1.36	1.20	1.04	0.88	0.75	0.62	0.51	0.42	0.33
	1.5	1.16	1.71	1.99	2.07	2.12	2.15	2.16	1.90	1.64	1.40	1.18	0.99	0.81	0.66	0.53
	2.0	1.47	2.16	2.51	2.61	2.68	2.72	2.73	2.39	2.07	1.77	1.49	1.24	1.02	0.83	0.67
	2.5	2.12	3.13	3.63	3.78	3.88	3.93	3.95	3.46	3.00	2.56	2.16	1.80	1.48	1.20	0.97
	3.0	3.39	4.99	5.80	6.03	6.19	6.27	6.30	5.53	4.78	4.09	3.45	2.87	2.36	1.92	1.54
	3.5	4.45	6.56	7.61	7.92	8.12	8.24	8.28	7.26	6.28	5.37	4.53	3.77	3.10	2.52	2.03
	4.5	6.22	9.17	10.64	11.07	11.36	11.52	11.57	10.15	8.78	7.50	6.33	5.27	4.34	3.53	2.84
	4.75	8.19	12.07	14.02	14.58	14.96	15.17	15.24	13.36	11.57	9.88	8.33	6.94	5.71	4.65	3.73
	5	10.62	15.65	18.17	18.90	19.39	19.66	19.76	17.32	14.99	12.81	10.80	9.00	7.41	6.02	4.84
	6	15.47	22.80	26.48	27.55	28.25	28.65	28.79	25.24	21.85	18.67	15.74	13.11	10.79	8.78	7.05
	7	19.87	29.29	34.01	35.38	36.28	36.80	36.98	32.42	28.06	23.98	20.21	16.84	13.86	11.27	9.06
	8	23.41	34.50	40.07	41.68	42.75	43.35	43.57	38.19	33.06	28.25	23.82	19.83	16.33	13.28	10.67
	10	27.40	40.39	46.90	48.79	50.04	50.75	51.00	44.70	38.70	33.07	27.88	23.22	19.12	15.55	12.49
+ 35	0.3		0.24	0.31	0.33	0.34	0.35	0.35	0.31	0.27	0.23	0.20	0.17	0.14	0.11	0.09
	0.5	0.16	0.46	0.58	0.61	0.64	0.65	0.66	0.59	0.51	0.44	0.37	0.31	0.26	0.21	0.17
	0.7	0.22	0.65	0.82	0.88	0.91	0.93	0.95	0.84	0.73	0.63	0.53	0.45	0.37	0.30	0.24
	1.0	0.32	0.95	1.19	1.27	1.32	1.36	1.38	1.21	1.06	0.91	0.77	0.65	0.54	0.44	0.35
	1.5	0.51	1.50	1.90	2.01	2.10	2.15	2.18	1.93	1.68	1.44	1.22	1.03	0.85	0.69	0.56
	2.0	0.65	1.89	2.39	2.54	2.64	2.71	2.75	2.43	2.12	1.82	1.54	1.29	1.07	0.88	0.71
	2.5	0.94	2.74	3.46	3.68	3.83	3.93	3.98	3.52	3.07	2.64	2.24	1.87	1.55	1.27	1.02
	3.0	1.49	4.37	5.52	5.86	6.10	6.26	6.35	5.61	4.89	4.21	3.57	2.99	2.47	2.02	1.63
	3.5	1.96	5.74	7.25	7.70	8.02	8.23	8.35	7.37	6.43	5.53	4.69	3.93	3.25	2.66	2.15
	4.5	2.74	8.02	10.14	10.77	11.21	11.50	11.66	10.31	8.98	7.72	6.55	5.49	4.54	3.71	3.00
	4.75	3.61	10.56	13.35	14.18	14.76	15.14	15.36	13.57	11.83	10.17	8.63	7.23	5.98	4.89	3.95
	5	4.69	13.69	17.30	18.38	19.13	19.63	19.91	17.59	15.34	13.19	11.18	9.37	7.75	6.34	5.12
	6	6.83	19.94	25.22	26.78	27.88	28.60	29.02	25.64	22.35	19.22	16.30	13.65	11.30	9.24	7.47
	7	8.77	25.61	32.38	34.40	35.81	36.74	37.27	32.93	28.70	24.68	20.93	17.53	14.51	11.87	9.59
	8	10.33	30.18	38.15	40.52	42.19	43.28	43.91	38.79	33.82	29.07	24.66	20.65	17.09	13.98	11.30
	10	12.09	35.33	44.66	47.44	49.38	50.66	51.40	45.41	39.59	34.04	28.86	24.18	20.01	16.36	13.22

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R404A

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 30	0.3		0.18	0.28	0.31	0.32	0.34	0.35	0.31	0.27	0.24	0.20	0.17	0.14	0.12	0.09
	0.5		0.34	0.52	0.58	0.61	0.64	0.65	0.58	0.51	0.44	0.38	0.32	0.27	0.22	0.18
	0.7		0.49	0.75	0.82	0.87	0.91	0.93	0.83	0.73	0.63	0.54	0.46	0.38	0.31	0.25
	1.0		0.71	1.09	1.19	1.27	1.32	1.36	1.21	1.06	0.92	0.78	0.66	0.55	0.45	0.37
	1.5		1.13	1.72	1.89	2.01	2.10	2.15	1.92	1.68	1.46	1.24	1.05	0.87	0.72	0.58
	2.0		1.43	2.17	2.39	2.54	2.64	2.71	2.42	2.12	1.84	1.57	1.32	1.10	0.90	0.73
	2.5		2.07	3.15	3.45	3.67	3.83	3.93	3.50	3.08	2.66	2.27	1.91	1.59	1.31	1.06
	3.0		3.30	5.02	5.51	5.86	6.10	6.26	5.59	4.91	4.25	3.62	3.05	2.54	2.09	1.69
	3.5		4.33	6.60	7.24	7.70	8.02	8.23	7.34	6.45	5.58	4.76	4.01	3.33	2.74	2.22
	4.5		6.05	9.22	10.12	10.76	11.20	11.50	10.25	9.01	7.80	6.65	5.60	4.66	3.83	3.11
	4.75		7.97	12.14	13.32	14.17	14.76	15.15	13.51	11.86	10.27	8.76	7.38	6.14	5.04	4.10
	5		10.34	15.74	17.27	18.37	19.13	19.63	17.51	15.38	13.31	11.36	9.56	7.96	6.54	5.31
	6		15.06	22.94	25.17	26.76	27.88	28.61	25.51	22.41	19.40	16.55	13.94	11.59	9.53	7.74
	7		19.34	29.46	32.32	34.37	35.80	36.74	32.76	28.78	24.91	21.25	17.90	14.89	12.24	9.94
	8		22.79	34.70	38.08	40.49	42.18	43.29	38.60	33.91	29.35	25.04	21.09	17.54	14.42	11.70
	10		26.68	40.63	44.58	47.40	49.37	50.67	45.19	39.70	34.36	29.31	24.68	20.54	16.88	13.70
+ 25	0.3			0.24	0.27	0.30	0.32	0.33	0.30	0.27	0.23	0.20	0.17	0.14	0.12	0.10
	0.5			0.44	0.52	0.57	0.61	0.63	0.57	0.50	0.44	0.38	0.32	0.27	0.22	0.18
	0.7			0.63	0.74	0.81	0.86	0.90	0.81	0.72	0.63	0.54	0.46	0.38	0.32	0.26
	1.0			0.92	1.07	1.18	1.25	1.31	1.18	1.05	0.91	0.78	0.66	0.55	0.46	0.37
	1.5			1.46	1.70	1.87	1.99	2.07	1.87	1.66	1.45	1.24	1.05	0.88	0.73	0.59
	2.0			1.83	2.14	2.35	2.51	2.61	2.36	2.09	1.82	1.57	1.33	1.11	0.92	0.75
	2.5			2.66	3.10	3.41	3.63	3.78	3.41	3.03	2.64	2.27	1.92	1.61	1.33	1.08
	3.0			4.24	4.94	5.44	5.79	6.04	5.45	4.83	4.21	3.62	3.06	2.56	2.11	1.72
	3.5			5.57	6.49	7.15	7.61	7.93	7.15	6.34	5.53	4.75	4.02	3.36	2.78	2.27
	4.5			7.78	9.08	9.99	10.63	11.08	10.00	8.87	7.73	6.64	5.62	4.70	3.88	3.17
	4.75			10.25	11.95	13.15	14.01	14.60	13.17	11.68	10.19	8.74	7.41	6.19	5.11	4.17
	5			13.29	15.50	17.05	18.16	18.92	17.07	15.14	13.20	11.34	9.60	8.03	6.63	5.41
	6			19.36	22.58	24.85	26.46	27.58	24.88	22.06	19.24	16.52	13.99	11.70	9.66	7.88
	7			24.87	29.00	31.91	33.98	35.42	31.95	28.33	24.71	21.21	17.97	15.03	12.41	10.12
	8			29.29	34.16	37.59	40.03	41.73	37.64	33.38	29.11	24.99	21.17	17.70	14.62	11.92
	10			34.29	39.99	44.01	46.86	48.84	44.07	39.07	34.08	29.26	24.78	20.72	17.11	13.95
+ 20	0.3			0.17	0.23	0.26	0.29	0.31	0.29	0.26	0.23	0.20	0.17	0.14	0.12	0.10
	0.5			0.31	0.43	0.50	0.56	0.59	0.54	0.49	0.43	0.37	0.32	0.27	0.22	0.18
	0.7			0.45	0.61	0.72	0.79	0.85	0.78	0.70	0.61	0.53	0.45	0.38	0.32	0.26
	1.0			0.65	0.89	1.04	1.15	1.23	1.13	1.01	0.89	0.77	0.66	0.55	0.46	0.37
	1.5			1.02	1.41	1.65	1.83	1.95	1.78	1.60	1.41	1.22	1.04	0.87	0.73	0.59
	2.0			1.29	1.77	2.08	2.30	2.45	2.25	2.02	1.78	1.54	1.31	1.10	0.91	0.75
	2.5			1.87	2.57	3.02	3.33	3.56	3.26	2.92	2.57	2.23	1.90	1.60	1.32	1.09
	3.0			2.98	4.10	4.82	5.32	5.67	5.20	4.67	4.11	3.55	3.03	2.55	2.11	1.73
	3.5			3.92	5.38	6.33	6.98	7.45	6.83	6.13	5.39	4.67	3.98	3.35	2.78	2.27
	4.5			5.48	7.52	8.84	9.76	10.41	9.55	8.57	7.54	6.52	5.56	4.68	3.88	3.18
	4.75			7.21	9.90	11.64	12.86	13.71	12.57	11.28	9.93	8.59	7.32	6.16	5.11	4.19
	5			9.35	12.84	15.09	16.66	17.78	16.30	14.62	12.87	11.14	9.49	7.98	6.62	5.43
	6			13.62	18.71	21.99	24.28	25.90	23.75	21.31	18.76	16.23	13.83	11.63	9.65	7.91
	7			17.50	24.03	28.25	31.19	33.27	30.50	27.37	24.09	20.84	17.77	14.94	12.39	10.15
	8			20.61	28.31	33.28	36.74	39.19	35.93	32.24	28.38	24.55	20.93	17.60	14.60	11.96
	10			24.13	33.14	38.96	43.01	45.88	42.06	37.74	33.23	28.74	24.50	20.60	17.09	14.00

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R407A

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 50	0.3	0.38	0.45	0.48	0.49	0.50	0.50	0.50	0.44	0.39	0.33	0.28	0.24	0.20	0.17	0.14
	0.5	0.73	0.85	0.92	0.94	0.95	0.95	0.95	0.84	0.73	0.63	0.54	0.46	0.38	0.32	0.26
	0.7	1.00	1.16	1.26	1.28	1.30	1.30	1.30	1.15	1.00	0.86	0.74	0.63	0.53	0.44	0.36
	1.0	1.46	1.70	1.83	1.87	1.90	1.90	1.90	1.68	1.46	1.26	1.08	0.92	0.77	0.64	0.52
	1.5	2.34	2.73	2.95	3.01	3.04	3.06	3.05	2.69	2.35	2.03	1.74	1.47	1.23	1.03	0.84
	2.0	2.95	3.45	3.72	3.79	3.84	3.86	3.86	3.40	2.97	2.56	2.19	1.86	1.56	1.30	1.06
	2.5	4.25	4.97	5.36	5.47	5.54	5.56	5.56	4.89	4.28	3.69	3.16	2.68	2.24	1.87	1.53
	3.0	6.78	7.92	8.55	8.72	8.83	8.87	8.86	7.80	6.82	5.88	5.04	4.27	3.58	2.98	2.44
	3.5	8.96	10.50	11.30	11.50	11.70	11.70	11.70	10.30	9.20	7.78	6.67	5.65	4.73	3.94	3.22
	4.5	12.50	14.60	15.70	16.10	16.30	16.30	16.30	14.40	12.60	10.80	9.29	7.87	6.59	5.49	4.49
	4.75	16.50	19.30	20.80	21.20	21.50	21.60	21.50	19.00	16.60	14.30	12.30	10.40	8.69	7.24	5.92
	5	21.40	25.00	26.90	27.50	27.80	28.00	28.00	24.60	21.50	18.60	15.90	13.50	11.28	9.39	7.68
	6	31.20	36.40	39.30	40.10	40.60	40.80	40.80	35.90	31.40	27.10	23.20	19.70	16.50	13.70	11.20
	7	40.10	46.80	50.50	51.60	52.20	52.40	52.40	46.10	40.30	34.80	29.80	25.30	21.10	17.60	14.40
	8	47.20	55.10	59.50	60.70	61.50	61.80	61.70	54.30	47.50	41.00	35.10	29.80	24.90	20.70	17.00
	10	55.20	64.50	69.60	71.10	71.90	72.30	72.20	63.60	55.50	47.90	41.10	34.80	29.10	24.30	19.80
+ 40	0.3	0.26	0.39	0.45	0.47	0.49	0.50	0.51	0.45	0.40	0.35	0.30	0.26	0.21	0.18	0.15
	0.5	0.50	0.74	0.86	0.90	0.93	0.95	0.96	0.85	0.75	0.66	0.57	0.48	0.41	0.34	0.28
	0.7	0.68	1.01	1.18	1.23	1.27	1.30	1.31	1.17	1.03	0.90	0.78	0.66	0.56	0.47	0.39
	1.0	1.00	1.48	1.73	1.80	1.86	1.90	1.92	1.71	1.51	1.31	1.13	0.97	0.82	0.69	0.56
	1.5	1.60	2.37	2.77	2.90	2.99	3.05	3.08	2.74	2.42	2.11	1.82	1.56	1.31	1.10	0.91
	2.0	2.02	2.99	3.50	3.66	3.77	3.85	3.89	3.46	3.06	2.66	2.30	1.96	1.66	1.39	1.14
	2.5	2.92	4.31	5.04	5.27	5.44	5.55	5.61	4.99	4.41	3.84	3.31	2.83	2.39	2.00	1.65
	3.0	4.65	6.87	8.04	8.41	8.67	8.84	8.95	7.96	7.03	6.12	5.29	4.51	3.81	3.19	2.63
	3.5	6.15	9.08	10.60	11.10	11.50	11.70	11.80	10.50	9.29	8.08	6.99	5.97	5.03	4.22	3.47
	4.5	8.57	12.70	14.80	15.50	16.00	16.30	16.50	14.70	13.00	11.30	9.73	8.31	7.01	5.88	4.84
	4.75	11.30	16.70	19.50	20.40	21.10	21.50	21.70	19.40	17.10	14.90	12.80	11.00	9.24	7.75	6.39
	5	14.70	21.70	25.30	26.50	27.30	27.90	28.20	25.10	22.20	19.30	16.70	14.20	12.00	10.06	8.29
	6	21.40	31.60	37.00	38.70	39.90	40.70	41.20	36.60	32.30	28.10	24.30	20.80	17.50	14.70	12.10
	7	27.50	40.60	47.50	49.70	51.20	52.30	52.90	47.10	41.60	36.10	31.20	26.70	22.50	18.90	15.50
	8	32.40	47.80	56.00	58.50	60.30	61.60	62.30	55.40	48.90	42.60	36.80	31.40	26.50	22.20	18.30
	10	37.90	56.00	65.50	68.50	70.60	72.00	72.90	64.90	57.30	49.80	43.10	36.80	31.00	26.00	21.40
+ 35	0.3	0.12	0.33	0.42	0.45	0.47	0.49	0.50	0.44	0.39	0.34	0.30	0.26	0.22	0.18	0.15
	0.5	0.22	0.63	0.80	0.86	0.90	0.92	0.94	0.84	0.75	0.65	0.57	0.49	0.41	0.35	0.29
	0.7	0.30	0.86	1.10	1.17	1.22	1.26	1.29	1.15	1.03	0.90	0.78	0.67	0.56	0.47	0.39
	1.0	0.45	1.26	1.61	1.71	1.79	1.85	1.88	1.69	1.50	1.31	1.14	0.97	0.82	0.69	0.57
	1.5	0.71	2.03	2.58	2.75	2.87	2.96	3.02	2.71	2.40	2.10	1.82	1.56	1.32	1.11	0.92
	2.0	0.90	2.56	3.25	3.47	3.63	3.74	3.82	3.42	3.04	2.65	2.30	1.97	1.67	1.41	1.16
	2.5	1.30	3.69	4.69	5.00	5.23	5.39	5.50	4.93	4.38	3.82	3.32	2.85	2.41	2.03	1.67
	3.0	2.07	5.88	7.48	7.97	8.34	8.60	8.77	7.86	6.98	6.10	5.29	4.54	3.84	3.23	2.67
	3.5	2.74	7.78	9.89	10.50	11.00	11.40	11.60	10.40	9.23	8.06	7.00	6.00	5.08	4.27	3.53
	4.5	3.82	10.80	13.80	14.70	15.40	15.80	16.20	14.50	12.90	11.20	9.75	8.36	7.07	5.95	4.92
	4.75	5.04	14.30	18.20	19.40	20.30	20.90	21.30	19.10	17.00	14.80	12.90	11.00	9.33	7.85	6.48
	5	6.50	18.60	23.60	25.10	26.30	27.10	27.70	24.80	22.00	19.20	16.70	14.30	12.10	10.19	8.41
	6	9.50	27.10	34.40	36.70	38.40	39.50	40.30	36.20	32.10	28.10	24.40	20.90	17.70	14.90	12.30
	7	12.30	34.80	44.20	47.10	49.30	50.80	51.80	46.50	41.20	36.00	31.30	26.80	22.70	19.10	15.80
	8	14.40	41.00	52.10	55.50	58.00	59.90	61.10	54.70	48.60	42.50	36.90	31.60	26.70	22.50	18.60
	10	16.90	47.90	60.90	65.00	67.90	70.10	71.50	64.00	56.90	49.70	43.10	37.00	31.30	26.30	21.70

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R407A

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 30	0.3		0.25	0.38	0.42	0.44	0.46	0.48	0.43	0.39	0.34	0.30	0.25	0.22	0.18	0.15
	0.5		0.47	0.72	0.79	0.84	0.88	0.91	0.82	0.73	0.64	0.56	0.48	0.41	0.35	0.29
	0.7		0.64	0.98	1.08	1.15	1.21	1.24	1.12	1.00	0.88	0.77	0.66	0.56	0.47	0.39
	1.0		0.94	1.43	1.58	1.68	1.76	1.82	1.64	1.47	1.29	1.12	0.97	0.82	0.69	0.57
	1.5		1.51	2.30	2.53	2.70	2.83	2.92	2.63	2.35	2.07	1.80	1.55	1.32	1.11	0.92
	2.0		1.90	2.90	3.20	3.41	3.57	3.68	3.33	2.97	2.61	2.28	1.96	1.66	1.41	1.16
	2.5		2.75	4.19	4.61	4.92	5.14	5.31	4.79	4.28	3.76	3.28	2.83	2.40	2.03	1.68
	3.0		4.38	6.68	7.35	7.84	8.20	8.46	7.64	6.83	6.00	5.24	4.51	3.83	3.23	2.68
	3.5		5.79	8.83	9.71	10.40	10.90	11.20	10.10	9.03	7.94	6.92	5.96	5.06	4.27	3.54
	4.5		8.06	12.30	13.50	14.40	15.10	15.60	14.10	12.60	11.10	9.64	8.30	7.05	5.95	4.93
	4.75		10.60	16.20	17.90	19.10	19.90	20.60	18.60	16.60	14.60	12.70	11.00	9.29	7.85	6.50
	5		13.80	21.00	23.20	24.70	25.90	26.70	24.10	21.50	18.90	16.50	14.20	12.06	10.18	8.44
	6		20.10	30.70	33.80	36.10	37.70	38.90	35.20	31.40	27.60	24.10	20.70	17.60	14.90	12.31
	7		25.90	39.50	43.40	46.40	48.50	50.00	45.20	40.40	35.50	30.90	26.60	22.60	19.10	15.80
	8		30.50	46.50	51.10	54.60	57.10	58.90	53.20	47.50	41.80	36.40	31.40	26.60	22.50	18.60
	10		35.70	54.40	59.90	63.90	66.80	68.90	62.30	55.70	48.90	42.70	36.70	31.20	26.30	21.80
+ 25	0.3			0.31	0.37	0.40	0.43	0.45	0.41	0.37	0.33	0.29	0.25	0.21	0.18	0.15
	0.5			0.60	0.70	0.77	0.82	0.86	0.79	0.71	0.63	0.55	0.47	0.40	0.34	0.28
	0.7			0.82	0.95	1.05	1.12	1.18	1.07	0.97	0.86	0.75	0.65	0.55	0.47	0.39
	1.0			1.19	1.39	1.54	1.64	1.72	1.57	1.41	1.25	1.10	0.95	0.81	0.69	0.57
	1.5			1.91	2.24	2.47	2.64	2.76	2.52	2.27	2.01	1.76	1.52	1.30	1.10	0.91
	2.0			2.42	2.82	3.11	3.33	3.48	3.18	2.87	2.54	2.22	1.92	1.64	1.39	1.15
	2.5			3.48	4.07	4.49	4.80	5.02	4.59	4.13	3.66	3.21	2.77	2.36	2.00	1.66
	3.0			5.55	6.49	7.16	7.65	8.01	7.31	6.59	5.83	5.11	4.42	3.77	3.19	2.65
	3.5			7.34	8.58	9.46	10.10	10.60	9.67	8.71	7.71	6.76	5.85	4.98	4.22	3.51
	4.5			10.20	12.00	13.20	14.10	14.70	13.50	12.10	10.70	9.42	8.14	6.94	5.88	4.89
	4.75			13.50	15.80	17.40	18.60	19.50	17.80	16.00	14.20	12.40	10.70	9.16	7.76	6.45
	5			17.50	20.50	22.60	24.10	25.20	23.10	20.80	18.40	16.10	13.90	11.88	10.07	8.37
	6			25.50	29.80	32.90	35.20	36.80	33.60	30.30	26.80	23.50	20.30	17.30	14.70	12.20
	7			32.80	38.80	42.30	45.20	47.30	43.20	38.90	34.50	30.20	26.10	22.30	18.90	15.70
	8			38.70	45.20	49.80	53.20	55.70	50.90	45.90	40.60	35.60	30.80	26.20	22.20	18.50
	10			45.20	52.90	58.30	62.30	65.20	59.60	53.70	47.50	41.70	36.00	30.70	26.00	21.60
+ 20	0.3			0.22	0.30	0.35	0.39	0.42	0.39	0.35	0.32	0.28	0.24	0.21	0.18	0.15
	0.5			0.42	0.57	0.67	0.74	0.79	0.74	0.67	0.60	0.53	0.46	0.39	0.34	0.28
	0.7			0.57	0.78	0.92	1.02	1.09	1.01	0.92	0.82	0.72	0.63	0.54	0.46	0.38
	1.0			0.83	1.14	1.34	1.48	1.59	1.47	1.34	1.20	1.06	0.92	0.79	0.67	0.56
	1.5			1.33	1.83	2.15	2.38	2.55	2.37	2.16	1.92	1.70	1.48	1.26	1.08	0.90
	2.0			1.68	2.31	2.72	3.01	3.22	2.99	2.72	2.43	2.14	1.86	1.60	1.36	1.13
	2.5			2.43	3.33	3.92	4.34	4.64	4.31	3.92	3.50	3.09	2.69	2.30	1.96	1.63
	3.0			3.87	5.31	6.25	6.92	7.40	6.87	6.26	5.58	4.93	4.29	3.67	3.12	2.60
	3.5			5.12	7.01	8.26	9.14	9.78	9.08	8.27	7.38	6.52	5.67	4.85	4.13	3.44
	4.5			7.13	9.77	11.50	12.70	13.60	12.60	11.50	10.30	9.08	7.89	6.76	5.75	4.79
	4.75			9.41	12.90	15.20	16.80	18.00	16.70	15.20	13.60	12.00	10.40	8.92	7.58	6.32
	5			12.20	16.70	19.70	21.80	23.30	21.60	19.70	17.60	15.50	13.51	11.57	9.84	8.21
	6			17.80	24.40	28.70	31.80	34.00	31.60	28.80	25.70	22.70	19.70	16.90	14.36	12.00
	7			22.90	31.40	36.90	40.90	43.70	40.60	37.00	33.00	29.10	25.30	21.70	18.50	15.40
	8			27.00	36.90	43.50	48.10	51.50	47.80	43.60	38.90	34.30	29.80	25.50	21.70	18.10
	10			31.50	43.20	50.90	56.30	60.30	55.90	51.00	45.50	40.20	34.90	29.90	25.40	21.20

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R407B

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 50	0.3	0.29	0.34	0.36	0.37	0.37	0.37	0.37	0.32	0.27	0.23	0.19	0.16	0.13	0.10	0.08
	0.5	0.58	0.68	0.72	0.73	0.74	0.74	0.73	0.63	0.54	0.46	0.38	0.32	0.26	0.21	0.17
	0.7	0.77	0.89	0.95	0.96	0.97	0.97	0.96	0.83	0.71	0.60	0.51	0.42	0.34	0.27	0.22
	1.0	1.13	1.31	1.40	1.42	1.43	1.43	1.42	1.23	1.05	0.89	0.75	0.62	0.50	0.41	0.32
	1.5	1.83	2.12	2.26	2.30	2.31	2.30	2.29	1.98	1.70	1.44	1.20	1.00	0.81	0.65	0.52
	2.0	2.34	2.71	2.90	2.94	2.96	2.95	2.93	2.53	2.17	1.84	1.54	1.27	1.04	0.84	0.67
	2.5	3.36	3.90	4.16	4.22	4.25	4.24	4.20	3.64	3.12	2.64	2.21	1.83	1.50	1.20	0.96
	3.0	5.30	6.14	6.56	6.66	6.70	6.68	6.63	5.74	4.92	4.17	3.49	2.89	2.36	1.90	1.51
	3.5	7.01	8.13	8.69	8.82	8.87	8.85	8.78	7.60	6.52	5.52	4.62	3.82	3.12	2.51	2.00
	4.5	9.79	11.35	12.13	12.31	12.38	12.35	12.25	10.61	9.10	7.70	6.45	5.34	4.36	3.51	2.79
	4.75	12.86	14.91	15.93	16.16	16.26	16.22	16.09	13.93	11.95	10.12	8.47	7.01	5.72	4.61	3.66
	5	16.73	19.40	20.73	21.03	21.15	21.11	20.93	18.13	15.55	13.16	11.02	9.12	7.45	6.00	4.77
	6	24.41	28.30	30.23	30.68	30.85	30.79	30.53	26.44	22.68	19.20	16.07	13.30	10.86	8.75	6.95
	7	31.35	36.34	38.83	39.40	39.62	39.55	39.22	33.96	29.13	24.66	20.65	17.08	13.95	11.23	8.93
	8	36.97	42.87	45.80	46.47	46.74	46.65	46.25	40.06	34.35	29.09	24.35	20.15	16.45	13.25	10.53
	10	43.26	50.15	53.58	54.37	54.68	54.57	54.12	46.87	40.19	34.03	28.49	23.57	19.25	15.50	12.33
+ 40	0.3	0.21	0.31	0.36	0.37	0.38	0.39	0.39	0.34	0.30	0.25	0.21	0.18	0.15	0.12	0.10
	0.5	0.42	0.61	0.71	0.74	0.76	0.77	0.78	0.68	0.59	0.51	0.43	0.36	0.30	0.24	0.19
	0.7	0.55	0.80	0.93	0.97	1.00	1.01	1.02	0.89	0.78	0.67	0.56	0.47	0.39	0.32	0.26
	1.0	0.81	1.19	1.38	1.43	1.47	1.49	1.50	1.32	1.15	0.98	0.83	0.70	0.57	0.47	0.38
	1.5	1.31	1.92	2.22	2.31	2.37	2.41	2.43	2.13	1.85	1.58	1.34	1.12	0.93	0.76	0.61
	2.0	1.68	2.45	2.84	2.96	3.04	3.09	3.11	2.73	2.37	2.03	1.72	1.44	1.19	0.97	0.78
	2.5	2.41	3.53	4.09	4.26	4.37	4.44	4.46	3.92	3.40	2.91	2.47	2.07	1.71	1.39	1.12
	3.0	3.81	5.56	6.45	6.71	6.89	6.99	7.04	6.18	5.36	4.59	3.89	3.26	2.69	2.19	1.76
	3.5	5.04	7.36	8.53	8.88	9.12	9.26	9.32	8.18	7.10	6.08	5.15	4.31	3.56	2.90	2.34
	4.5	7.03	10.27	11.91	12.40	12.73	12.92	13.00	11.41	9.91	8.49	7.19	6.02	4.97	4.05	3.26
	4.75	9.24	13.49	15.65	16.29	16.72	16.97	17.08	14.99	13.02	11.15	9.44	7.90	6.53	5.32	4.28
	5	12.02	17.55	20.36	21.19	21.75	22.08	22.22	19.51	16.94	14.51	12.29	10.28	8.49	6.92	5.57
	6	17.53	25.59	29.69	30.91	31.73	32.21	32.41	28.45	24.70	21.16	17.92	15.00	12.39	10.10	8.13
	7	22.52	32.88	38.14	39.70	40.75	41.37	41.63	36.54	31.73	27.18	23.02	19.27	15.91	12.97	10.44
	8	26.56	38.78	44.99	46.83	48.06	48.79	49.11	43.10	37.42	32.06	27.15	22.72	18.77	15.30	12.32
	10	31.08	45.37	52.63	54.79	56.23	57.09	57.45	50.42	43.78	37.51	31.76	26.59	21.96	17.90	14.41
+ 35	0.3		0.27	0.34	0.36	0.37	0.38	0.39	0.34	0.30	0.26	0.22	0.18	0.15	0.13	0.10
	0.5		0.53	0.67	0.71	0.74	0.76	0.77	0.69	0.60	0.52	0.44	0.37	0.31	0.25	0.20
	0.7		0.70	0.88	0.94	0.98	1.00	1.02	0.90	0.79	0.68	0.58	0.48	0.40	0.33	0.27
	1.0		1.03	1.30	1.38	1.44	1.48	1.50	1.33	1.16	1.00	0.85	0.72	0.59	0.49	0.39
	1.5		1.67	2.10	2.23	2.32	2.38	2.42	2.14	1.87	1.61	1.37	1.15	0.96	0.78	0.63
	2.0		2.14	2.69	2.86	2.97	3.05	3.10	2.74	2.40	2.06	1.76	1.48	1.23	1.00	0.81
	2.5		3.07	3.87	4.11	4.28	4.39	4.46	3.94	3.44	2.97	2.53	2.12	1.76	1.44	1.17
	3.0		4.84	6.09	6.47	6.74	6.92	7.02	6.21	5.43	4.68	3.98	3.35	2.78	2.28	1.84
	3.5		6.41	8.07	8.57	8.92	9.16	9.30	8.22	7.19	6.19	5.27	4.43	3.68	3.01	2.44
	4.5		8.94	11.26	11.96	12.45	12.78	12.98	11.48	10.03	8.64	7.36	6.19	5.14	4.21	3.40
	4.75		11.75	14.79	15.71	16.36	16.79	17.05	15.07	13.17	11.35	9.66	8.13	6.75	5.52	4.47
	5		15.28	19.25	20.44	21.28	21.85	22.18	19.61	17.14	14.77	12.57	10.58	8.78	7.19	5.81
	6		22.29	28.07	29.81	31.04	31.86	32.35	28.61	25.00	21.54	18.34	15.42	12.80	10.48	8.48
	7		28.63	36.05	38.29	39.87	40.93	41.55	36.74	32.11	27.67	23.55	19.81	16.44	13.47	10.89
	8		33.77	42.53	45.16	47.03	48.27	49.01	43.34	37.87	32.63	27.78	23.37	19.39	15.88	12.84
	10		39.51	49.75	52.84	55.02	56.48	57.34	50.70	44.31	38.18	32.50	27.34	22.69	18.58	15.03

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R407B

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 30	0.3		0.20	0.30	0.33	0.35	0.37	0.38	0.34	0.30	0.26	0.22	0.19	0.16	0.13	0.10
	0.5		0.41	0.61	0.67	0.71	0.74	0.76	0.68	0.60	0.52	0.44	0.37	0.31	0.26	0.21
	0.7		0.53	0.80	0.88	0.93	0.97	1.00	0.89	0.78	0.68	0.58	0.49	0.41	0.34	0.27
	1.0		0.79	1.18	1.29	1.37	1.43	1.47	1.31	1.15	1.00	0.86	0.72	0.60	0.50	0.40
	1.5		1.27	1.90	2.09	2.22	2.31	2.37	2.11	1.86	1.61	1.38	1.17	0.97	0.80	0.65
	2.0		1.62	2.44	2.67	2.84	2.96	3.03	2.71	2.38	2.07	1.77	1.49	1.25	1.03	0.83
	2.5		2.33	3.50	3.84	4.08	4.25	4.36	3.89	3.43	2.97	2.54	2.15	1.79	1.47	1.20
	3.0		3.68	5.52	6.05	6.43	6.70	6.87	6.13	5.40	4.68	4.01	3.39	2.82	2.32	1.89
	3.5		4.87	7.31	8.01	8.51	8.87	9.10	8.12	7.15	6.20	5.30	4.48	3.74	3.08	2.50
	4.5		6.80	10.20	11.18	11.88	12.38	12.71	11.33	9.98	8.65	7.40	6.26	5.22	4.29	3.49
	4.75		8.93	13.40	14.68	15.61	16.25	16.69	14.89	13.10	11.36	9.73	8.22	6.85	5.64	4.58
	5		11.61	17.43	19.10	20.30	21.15	21.71	19.37	17.05	14.78	12.65	10.70	8.92	7.34	5.96
	6		16.94	25.43	27.86	29.61	30.85	31.67	28.25	24.87	21.56	18.46	15.60	13.01	10.70	8.69
	7		21.76	32.66	35.79	38.04	39.62	40.68	36.29	31.94	27.70	23.71	20.04	16.71	13.74	11.16
	8		25.66	38.52	42.21	44.86	46.73	47.98	42.80	37.68	32.67	27.96	23.64	19.71	16.21	13.16
	10		30.02	45.07	49.39	52.49	54.67	56.13	50.08	44.08	38.22	32.71	27.65	23.06	18.96	15.40
+ 25	0.3			0.26	0.30	0.33	0.35	0.36	0.33	0.29	0.25	0.22	0.19	0.16	0.13	0.11
	0.5			0.51	0.60	0.66	0.70	0.73	0.66	0.58	0.51	0.44	0.37	0.31	0.26	0.21
	0.7			0.68	0.78	0.86	0.92	0.95	0.86	0.76	0.67	0.58	0.49	0.41	0.34	0.28
	1.0			1.00	1.16	1.27	1.35	1.41	1.27	1.13	0.99	0.85	0.72	0.60	0.50	0.41
	1.5			1.61	1.87	2.05	2.18	2.27	2.05	1.82	1.59	1.37	1.16	0.97	0.81	0.66
	2.0			2.06	2.39	2.62	2.79	2.91	2.62	2.33	2.04	1.75	1.49	1.25	1.03	0.84
	2.5			2.96	3.43	3.77	4.01	4.18	3.77	3.35	2.93	2.52	2.14	1.79	1.48	1.21
	3.0			4.66	5.41	5.94	6.32	6.59	5.95	5.28	4.61	3.97	3.38	2.83	2.34	1.90
	3.5			6.17	7.17	7.87	8.38	8.73	7.87	6.99	6.11	5.26	4.47	3.74	3.09	2.52
	4.5			8.61	10.00	10.99	11.69	12.18	10.99	9.76	8.52	7.34	6.24	5.23	4.32	3.52
	4.75			11.31	13.14	14.43	15.35	16.00	14.44	12.82	11.20	9.64	8.19	6.86	5.67	4.62
	5			14.72	17.10	18.78	19.98	20.82	18.78	16.68	14.57	12.55	10.66	8.93	7.38	6.01
	6			21.47	24.94	27.39	29.14	30.37	27.40	24.33	21.25	18.30	15.55	13.02	10.76	8.77
	7			27.58	32.03	35.18	37.43	39.01	35.19	31.25	27.29	23.50	19.97	16.73	13.82	11.27
	8			32.53	37.78	41.49	44.14	46.01	41.50	36.86	32.19	27.72	23.56	19.73	16.30	13.29
	10			38.06	44.20	48.54	51.65	53.83	48.56	43.12	37.66	32.43	27.56	23.08	19.07	15.55
+ 20	0.3			0.18	0.25	0.29	0.32	0.34	0.31	0.28	0.25	0.21	0.18	0.15	0.13	0.10
	0.5			0.37	0.50	0.58	0.64	0.68	0.62	0.56	0.49	0.43	0.37	0.31	0.26	0.21
	0.7			0.48	0.65	0.76	0.84	0.89	0.82	0.74	0.65	0.56	0.48	0.40	0.34	0.27
	1.0			0.71	0.96	1.12	1.24	1.32	1.21	1.09	0.96	0.83	0.71	0.60	0.50	0.41
	1.5			1.15	1.55	1.81	2.00	2.13	1.95	1.75	1.54	1.34	1.14	0.96	0.80	0.65
	2.0			1.47	1.98	2.32	2.55	2.72	2.49	2.24	1.97	1.71	1.46	1.23	1.02	0.84
	2.5			2.11	2.85	3.33	3.67	3.91	3.59	3.22	2.84	2.46	2.10	1.77	1.47	1.20
	3.0			3.33	4.49	5.25	5.79	6.17	5.65	5.08	4.47	3.88	3.32	2.79	2.32	1.90
	3.5			4.41	5.95	6.96	7.66	8.17	7.48	6.72	5.92	5.14	4.39	3.70	3.07	2.51
	4.5			6.15	8.31	9.71	10.70	11.40	10.44	9.38	8.27	7.17	6.13	5.16	4.28	3.51
	4.75			8.08	10.91	12.76	14.05	14.97	13.72	12.32	10.86	9.42	8.05	6.78	5.62	4.60
	5			10.52	14.19	16.60	18.28	19.48	17.85	16.03	14.13	12.25	10.48	8.82	7.32	5.99
	6			15.34	20.70	24.21	26.67	28.41	26.03	23.38	20.60	17.87	15.28	12.86	10.67	8.74
	7			19.70	26.59	31.09	34.25	36.49	33.44	30.04	26.47	22.96	19.62	16.52	13.71	11.22
	8			23.24	31.36	36.67	40.40	43.04	39.44	35.43	31.22	27.08	23.15	19.49	16.17	13.24
	10			27.19	36.70	42.91	47.26	50.36	46.14	41.45	36.52	31.68	27.08	22.80	18.92	15.49

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R407C

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)													
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 50	0.3	0.39	0.46	0.50	0.51	0.51	0.52	0.52	0.45	0.39	0.34	0.29	0.24			
	0.5	0.74	0.87	0.94	0.96	0.97	0.98	0.98	0.86	0.75	0.64	0.54	0.46			
	0.7	1.02	1.19	1.29	1.32	1.33	1.34	1.34	1.18	1.02	0.87	0.74	0.62			
	1.0	1.48	1.74	1.88	1.92	1.95	1.96	1.97	1.72	1.49	1.28	1.08	0.91			
	1.5	2.38	2.79	3.02	3.09	3.13	3.15	3.15	2.76	2.39	2.05	1.74	1.46			
	2.0	3.01	3.52	3.81	3.90	3.95	3.98	3.98	3.48	3.02	2.59	2.20	1.85			
	2.5	4.34	5.08	5.49	5.62	5.69	5.73	5.74	5.02	4.36	3.74	3.17	2.66			
	3.0	6.95	8.15	8.81	9.01	9.13	9.19	9.20	8.06	6.99	5.99	5.08	4.27			
	3.5	9.14	10.71	11.58	11.84	12.00	12.09	12.10	10.59	9.19	7.87	6.68	5.61			
	4.5	12.73	14.92	16.14	16.50	16.72	16.84	16.86	14.75	12.80	10.97	9.31	7.81			
	4.75	16.80	19.68	21.29	21.76	22.06	22.21	22.24	19.46	16.88	14.47	12.28	10.31			
	5	21.80	25.54	27.62	28.24	28.63	28.82	28.86	25.25	21.90	18.78	15.93	13.38			
	6	31.80	37.25	40.30	41.19	41.76	42.04	42.09	36.84	31.95	27.39	23.24	19.51			
	7	40.86	47.87	51.78	52.93	53.66	54.03	54.09	47.34	41.06	35.20	29.86	25.07			
	8	48.12	56.38	60.99	62.34	63.20	63.63	63.71	55.75	48.36	41.46	35.17	29.53			
	10	56.33	65.99	71.38	72.97	73.97	74.48	74.57	65.26	56.60	48.52	41.17	34.57			
+ 40	0.3	0.26	0.39	0.46	0.48	0.49	0.51	0.51	0.45	0.40	0.34	0.29	0.25			
	0.5	0.50	0.74	0.87	0.91	0.94	0.96	0.97	0.86	0.75	0.65	0.56	0.47			
	0.7	0.68	1.01	1.19	1.25	1.29	1.31	1.33	1.18	1.03	0.89	0.76	0.64			
	1.0	0.99	1.48	1.74	1.82	1.88	1.92	1.95	1.72	1.51	1.30	1.11	0.94			
	1.5	1.60	2.38	2.79	2.92	3.02	3.08	3.13	2.76	2.42	2.09	1.79	1.51			
	2.0	2.02	3.00	3.52	3.69	3.81	3.89	3.95	3.49	3.05	2.64	2.26	1.91			
	2.5	2.91	4.33	5.08	5.32	5.49	5.61	5.69	5.03	4.40	3.80	3.25	2.75			
	3.0	4.66	6.94	8.15	8.53	8.81	9.00	9.12	8.07	7.06	6.10	5.21	4.41			
	3.5	6.13	9.12	10.71	11.21	11.58	11.83	11.99	10.60	9.28	8.02	6.85	5.79			
	4.5	8.54	12.71	14.92	15.62	16.13	16.48	16.70	14.77	12.93	11.17	9.55	8.07			
	4.75	11.26	16.77	19.68	20.60	21.28	21.74	22.03	19.48	17.05	14.74	12.59	10.65			
	5	14.61	21.76	25.54	26.74	27.61	28.21	28.59	25.28	22.13	19.12	16.34	13.82			
	6	21.31	31.74	37.25	39.01	40.28	41.16	41.71	36.88	32.28	27.90	23.84	20.16			
	7	27.39	40.79	47.87	50.12	51.76	52.89	53.60	47.39	41.48	35.85	30.64	25.90			
	8	32.26	48.04	56.38	59.04	60.96	62.29	63.13	55.82	48.86	42.22	36.09	30.50			
	10	37.76	56.23	65.99	69.10	71.35	72.91	73.89	65.34	57.19	49.42	42.24	35.70			
+ 35	0.3		0.33	0.42	0.45	0.47	0.49	0.50	0.44	0.39	0.34	0.29	0.25			
	0.5		0.63	0.80	0.86	0.90	0.93	0.95	0.84	0.74	0.64	0.55	0.47			
	0.7		0.86	1.10	1.17	1.23	1.27	1.30	1.15	1.02	0.88	0.76	0.64			
	1.0		1.26	1.61	1.72	1.80	1.86	1.90	1.69	1.48	1.29	1.11	0.94			
	1.5		2.02	2.58	2.75	2.88	2.98	3.04	2.71	2.38	2.07	1.78	1.51			
	2.0		2.55	3.25	3.48	3.64	3.76	3.84	3.42	3.01	2.61	2.24	1.90			
	2.5		3.67	4.69	5.01	5.25	5.42	5.54	4.93	4.34	3.77	3.23	2.74			
	3.0		5.89	7.52	8.04	8.42	8.69	8.88	7.90	6.95	6.04	5.18	4.40			
	3.5		7.74	9.89	10.56	11.06	11.42	11.67	10.39	9.14	7.94	6.81	5.78			
	4.5		10.79	13.78	14.72	15.41	15.92	16.26	14.47	12.74	11.06	9.49	8.05			
	4.75		14.23	18.17	19.41	20.33	20.99	21.45	19.09	16.80	14.59	12.52	10.62			
	5		18.47	23.59	25.19	26.38	27.24	27.83	24.77	21.80	18.93	16.24	13.78			
	6		26.94	34.41	36.75	38.49	39.74	40.60	36.14	31.80	27.61	23.69	20.10			
	7		34.61	44.21	47.23	49.46	51.07	52.18	46.44	40.87	35.48	30.45	25.83			
	8		40.77	52.07	55.62	58.25	60.15	61.45	54.70	48.14	41.79	35.86	30.42			
	10		47.72	60.95	65.10	68.18	70.40	71.93	64.02	56.34	48.91	41.97	35.61			

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R407C

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 30	0.3		0.24	0.37	0.41	0.44	0.46	0.48	0.43	0.38	0.33	0.29	0.24			
	0.5		0.46	0.71	0.79	0.84	0.88	0.91	0.82	0.72	0.63	0.54	0.46			
	0.7		0.63	0.97	1.07	1.15	1.20	1.24	1.12	0.99	0.86	0.74	0.63			
	1.0		0.92	1.42	1.57	1.68	1.76	1.82	1.63	1.44	1.26	1.09	0.93			
	1.5		1.48	2.29	2.52	2.70	2.82	2.92	2.62	2.32	2.02	1.74	1.49			
	2.0		1.87	2.88	3.18	3.40	3.56	3.68	3.30	2.93	2.55	2.20	1.87			
	2.5		2.69	4.16	4.59	4.90	5.14	5.31	4.76	4.22	3.68	3.17	2.70			
	3.0		4.32	6.67	7.36	7.86	8.24	8.51	7.64	6.76	5.90	5.09	4.33			
	3.5		5.68	8.77	9.67	10.34	10.83	11.19	10.04	8.89	7.76	6.69	5.70			
	4.5		7.91	12.21	13.47	14.40	15.09	15.58	13.98	12.39	10.81	9.32	7.94			
	4.75		10.44	16.11	17.77	19.00	19.90	20.55	18.45	16.34	14.26	12.29	10.47			
	5		13.54	20.90	23.06	24.66	25.83	26.67	23.94	21.20	18.51	15.95	13.59			
	6		19.76	30.49	33.64	35.97	37.68	38.91	34.92	30.93	27.00	23.27	19.82			
	7		25.39	39.19	43.23	46.22	48.42	50.00	44.87	39.75	34.69	29.90	25.47			
	8		29.90	46.15	50.91	54.44	57.03	58.89	52.85	46.81	40.86	35.22	30.00			
	10		35.00	54.02	59.59	63.71	66.75	68.93	61.86	54.79	47.83	41.22	35.11			
+ 25	0.3			0.31	0.36	0.40	0.43	0.45	0.41	0.36	0.32	0.28	0.24			
	0.5			0.59	0.69	0.76	0.82	0.85	0.78	0.69	0.61	0.53	0.45			
	0.7			0.80	0.94	1.04	1.12	1.17	1.06	0.95	0.83	0.72	0.62			
	1.0			1.17	1.38	1.52	1.63	1.71	1.55	1.39	1.22	1.05	0.90			
	1.5			1.88	2.21	2.44	2.62	2.74	2.49	2.22	1.95	1.69	1.45			
	2.0			2.38	2.79	3.09	3.30	3.46	3.14	2.81	2.47	2.14	1.83			
	2.5			3.43	4.02	4.45	4.76	4.99	4.53	4.05	3.55	3.08	2.64			
	3.0			5.50	6.45	7.13	7.64	8.01	7.26	6.49	5.70	4.94	4.23			
	3.5			7.23	8.48	9.38	10.04	10.52	9.55	8.53	7.49	6.49	5.56			
	4.5			10.07	11.81	13.07	13.99	14.66	13.30	11.88	10.44	9.05	7.74			
	4.75			13.28	15.58	17.23	18.45	19.34	17.55	15.67	13.77	11.93	10.21			
	5			17.23	20.22	22.36	23.94	25.09	22.77	20.34	17.87	15.49	13.25			
	6			25.13	29.49	32.62	34.92	36.61	33.21	29.67	26.07	22.59	19.32			
	7			32.30	37.90	41.92	44.88	47.04	42.68	38.12	33.50	29.03	24.83			
	8			38.04	44.64	49.38	52.86	55.41	50.27	44.90	39.45	34.19	29.25			
	10			44.52	52.24	57.79	61.87	64.85	58.84	52.56	46.18	40.02	34.23			
+ 20	0.3			0.21	0.29	0.35	0.39	0.41	0.38	0.34	0.30	0.27	0.23			
	0.5			0.40	0.56	0.66	0.73	0.79	0.72	0.65	0.58	0.51	0.43			
	0.7			0.55	0.76	0.90	1.00	1.07	0.99	0.89	0.79	0.69	0.59			
	1.0			0.80	1.11	1.32	1.46	1.57	1.45	1.31	1.16	1.01	0.87			
	1.5			1.29	1.79	2.12	2.35	2.52	2.32	2.10	1.86	1.62	1.40			
	2.0			1.62	2.26	2.67	2.97	3.18	2.93	2.65	2.35	2.05	1.76			
	2.5			2.34	3.26	3.85	4.28	4.59	4.23	3.82	3.38	2.95	2.54			
	3.0			3.75	5.22	6.18	6.86	7.36	6.78	6.12	5.43	4.74	4.07			
	3.5			4.93	6.86	8.12	9.02	9.67	8.91	8.05	7.14	6.23	5.35			
	4.5			6.87	9.56	11.32	12.56	13.47	12.42	11.22	9.94	8.67	7.46			
	4.75			9.06	12.61	14.93	16.57	17.77	16.38	14.80	13.11	11.44	9.84			
	5			11.76	16.37	19.37	21.51	23.06	21.25	19.20	17.01	14.84	12.77			
	6			17.16	23.88	28.26	31.37	33.64	31.00	28.01	24.82	21.66	18.62			
	7			22.05	30.68	36.31	40.31	43.23	39.84	35.99	31.90	27.83	23.93			
	8			25.97	36.14	42.77	47.48	50.92	46.92	42.39	37.57	32.78	28.19			
	10			30.40	42.30	50.06	55.57	59.60	54.92	49.62	43.97	38.36	32.99			

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R408A

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 20	+ 15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	-50
+ 50	0.3		0.42	0.44	0.45	0.45	0.46	0.46	0.40	0.35	0.30	0.25	0.21	0.18	0.14	0.12
	0.5		0.80	0.82	0.84	0.86	0.86	0.86	0.76	0.66	0.56	0.48	0.40	0.33	0.27	0.22
	0.7		1.13	1.16	1.19	1.21	1.22	1.22	1.07	0.93	0.79	0.67	0.56	0.47	0.38	0.31
	1.0		1.64	1.70	1.74	1.76	1.77	1.78	1.46	1.35	1.16	0.98	0.82	0.68	0.56	0.45
	1.5		2.63	2.71	2.78	2.82	2.84	2.84	2.49	2.16	1.85	1.57	1.32	1.09	0.89	0.72
	2.0		3.28	3.39	3.47	3.52	3.55	3.55	3.11	2.70	2.31	1.96	1.65	1.37	1.12	0.91
	2.5		4.78	4.94	5.06	5.13	5.17	5.18	4.53	3.93	3.37	2.86	2.40	1.99	1.63	1.32
	3.0		7.59	7.85	8.03	8.15	8.21	8.22	7.20	6.24	5.35	4.54	3.81	3.16	2.59	2.10
	3.5		10.00	10.40	10.60	10.80	10.80	10.90	9.51	8.25	7.07	6.00	5.04	4.17	3.42	2.77
	4.5		14.00	14.40	14.80	15.00	15.10	15.10	13.20	11.50	9.85	8.35	7.02	5.81	4.76	3.86
	4.75		18.50	19.10	19.50	19.80	20.00	20.00	17.50	15.20	13.00	11.10	9.28	7.69	6.29	5.10
	5		24.00	24.80	25.40	25.80	25.90	26.00	22.80	19.70	16.90	14.40	12.10	9.99	8.18	6.63
	6		35.00	36.10	37.00	37.50	37.80	37.90	33.20	28.80	24.70	20.90	17.60	14.60	11.90	9.66
	7		44.90	46.40	47.50	48.20	48.50	48.60	42.60	36.90	31.70	26.90	22.60	18.70	15.30	12.40
	8		52.90	54.60	55.90	56.80	57.20	57.30	50.10	43.50	37.30	31.60	26.60	22.00	18.00	14.60
	10		61.90	63.90	65.40	66.40	66.90	67.00	58.70	50.90	43.60	37.00	31.10	25.80	21.10	17.10
+ 40	0.3		0.38	0.41	0.43	0.44	0.45	0.46	0.40	0.35	0.31	0.26	0.22	0.18	0.15	0.12
	0.5		0.72	0.77	0.80	0.83	0.85	0.86	0.76	0.67	0.58	0.49	0.42	0.35	0.29	0.23
	0.7		1.01	1.08	1.14	1.17	1.20	1.22	1.08	0.94	0.82	0.70	0.59	0.49	0.41	0.33
	1.0		1.48	1.58	1.66	1.71	1.75	1.78	1.57	1.38	1.19	1.02	0.86	0.72	0.59	0.48
	1.5		2.36	2.53	2.65	2.74	2.80	2.84	2.51	2.20	1.90	1.63	1.38	1.15	0.95	0.77
	2.0		2.96	3.16	3.31	3.42	3.50	3.55	3.14	2.75	2.38	2.03	1.72	1.43	1.18	0.96
	2.5		4.31	4.60	4.83	4.99	5.10	5.17	4.58	4.01	3.47	2.96	2.51	2.09	1.72	1.41
	3.0		6.84	7.31	7.66	7.92	8.10	8.22	7.27	6.37	5.50	4.70	3.98	3.32	2.74	2.23
	3.5		9.03	9.65	10.10	10.50	10.70	10.90	9.61	8.41	7.27	6.21	5.26	4.39	3.62	2.95
	4.5		12.60	13.40	14.10	14.60	14.90	15.10	13.40	11.70	10.10	8.65	7.32	6.11	5.03	4.11
	4.75		16.60	17.80	18.60	19.30	19.70	20.00	17.70	15.50	13.40	11.40	9.68	8.07	6.66	5.43
	5		21.60	23.10	24.20	25.10	25.60	26.00	23.00	20.10	17.40	14.90	12.60	10.50	8.65	7.05
	6		31.50	33.70	35.30	36.50	37.30	37.80	33.50	29.30	25.40	21.70	18.30	15.30	12.60	10.30
	7		40.40	43.20	45.30	46.90	47.90	48.60	43.00	37.60	32.60	27.80	23.50	19.60	16.20	13.20
	8		47.60	50.90	53.40	55.20	56.40	57.20	50.60	44.30	38.30	32.80	27.70	23.10	19.10	15.50
	10		55.70	59.50	62.40	64.60	66.00	67.00	59.30	51.90	44.90	38.30	32.40	27.10	22.30	18.20
+ 35	0.3		0.34	0.37	0.40	0.42	0.44	0.44	0.40	0.35	0.30	0.26	0.22	0.18	0.15	0.13
	0.5		0.64	0.71	0.76	0.80	0.82	0.84	0.75	0.66	0.57	0.49	0.42	0.35	0.29	0.24
	0.7		0.91	1.00	1.07	1.12	1.16	1.19	1.06	0.93	0.81	0.69	0.59	0.49	0.41	0.33
	1.0		1.32	1.46	1.56	1.64	1.69	1.73	1.54	1.36	1.18	1.01	0.86	0.72	0.59	0.49
	1.5		2.11	2.33	2.50	2.62	2.71	2.77	2.47	2.17	1.89	1.62	1.37	1.15	0.95	0.78
	2.0		2.64	2.91	3.12	3.27	3.38	3.46	3.08	2.71	2.36	2.02	1.72	1.44	1.19	0.97
	2.5		3.85	4.25	4.55	4.77	4.93	5.04	4.49	3.95	3.44	2.95	2.50	2.10	1.73	1.42
	3.0		6.11	6.74	7.22	7.58	7.83	8.01	7.14	6.28	5.46	4.68	3.98	3.33	2.75	2.25
	3.5		8.08	8.91	9.54	10.00	10.30	10.60	9.43	8.30	7.21	6.19	5.25	4.40	3.64	2.97
	4.5		11.30	12.40	13.30	13.90	14.40	14.70	13.10	11.60	10.00	8.62	7.31	6.12	5.06	4.14
	4.75		14.90	16.40	17.60	18.40	19.00	19.50	17.40	15.30	13.30	11.40	9.67	8.10	6.70	5.48
	5		19.30	21.30	22.80	24.00	24.80	25.30	22.60	19.90	17.30	14.80	12.60	10.50	8.70	7.12
	6		28.20	31.10	33.30	34.90	36.10	36.90	32.90	28.90	25.10	21.60	18.30	15.30	12.70	10.40
	7		36.20	39.90	42.70	44.80	46.30	47.40	42.20	37.20	32.30	27.70	23.50	19.70	16.30	13.30
	8		42.60	47.00	50.30	52.80	54.50	55.80	49.70	43.70	38.00	32.60	27.70	23.20	19.20	15.70
	10		49.80	55.00	58.80	61.70	63.80	65.30	58.10	51.20	44.50	38.20	32.40	27.10	22.40	18.30

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R408A

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 20	+ 15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 30	0.3		0.28	0.33	0.37	0.39	0.41	0.43	0.38	0.34	0.30	0.26	0.22	0.18	0.15	0.12
	0.5		0.53	0.63	0.69	0.74	0.78	0.81	0.72	0.64	0.56	0.48	0.41	0.35	0.29	0.24
	0.7		0.75	0.88	0.98	1.05	1.10	1.14	1.02	0.91	0.79	0.68	0.58	0.49	0.41	0.33
	1.0		1.10	1.29	1.43	1.53	1.61	1.66	1.49	1.32	1.15	1.00	0.85	0.71	0.59	0.49
	1.5		1.76	2.06	2.28	2.45	2.57	2.66	2.39	2.12	1.85	1.59	1.36	1.14	0.95	0.78
	2.0		2.20	2.58	2.86	3.06	3.21	3.32	2.98	2.64	2.31	1.99	1.70	1.43	1.18	0.97
	2.5		3.21	3.76	4.16	4.46	4.68	4.84	4.35	3.85	3.37	2.90	2.47	2.08	1.72	1.41
	3.0		5.09	5.97	6.61	7.08	7.43	7.69	6.90	6.12	5.35	4.61	3.93	3.30	2.74	2.25
	3.5		6.73	7.88	8.73	9.36	9.82	10.20	9.12	8.08	7.06	6.09	5.19	4.36	3.62	2.97
	4.5		9.37	11.00	12.20	13.00	13.70	14.10	12.70	11.30	9.83	8.48	7.23	6.07	5.04	4.13
	4.75		12.40	14.50	16.10	17.20	18.10	18.70	16.80	14.90	13.00	11.20	9.56	8.03	6.66	5.46
	5		16.10	18.90	20.90	22.40	23.50	24.30	21.80	19.30	16.90	14.60	12.40	10.40	8.65	7.10
	6		23.50	27.50	30.40	32.60	34.20	35.40	31.80	28.20	24.60	21.20	18.10	15.20	12.60	10.30
	7		30.10	35.30	39.10	41.90	43.90	45.50	40.80	36.20	31.60	27.30	23.20	19.50	16.20	13.30
	8		35.50	41.60	46.00	49.30	51.70	53.50	48.10	42.60	37.20	32.10	27.40	23.00	19.10	15.60
	10		41.50	48.60	53.90	57.70	60.60	62.60	56.30	49.90	43.60	37.60	32.00	26.90	22.30	18.30
+ 25	0.3		0.20	0.27	0.32	0.36	0.38	0.40	0.37	0.33	0.29	0.25	0.21	0.18	0.15	0.12
	0.5		0.38	0.52	0.61	0.68	0.73	0.76	0.69	0.62	0.54	0.47	0.40	0.34	0.28	0.23
	0.7		0.53	0.73	0.86	0.95	1.02	1.07	0.98	0.87	0.77	0.67	0.57	0.48	0.40	0.33
	1.0		0.78	1.06	1.25	1.39	1.49	1.57	1.42	1.27	1.12	0.97	0.83	0.70	0.58	0.48
	1.5		1.24	1.70	2.01	2.23	2.39	2.51	2.28	2.04	1.79	1.55	1.33	1.12	0.93	0.77
	2.0		1.55	2.13	2.51	2.79	2.99	3.13	2.85	2.54	2.24	1.94	1.66	1.40	1.17	0.96
	2.5		2.27	3.10	3.66	4.06	4.35	4.57	4.15	3.71	3.26	2.83	2.42	2.04	1.70	1.40
	3.0		3.60	4.92	5.81	6.45	6.91	7.25	6.59	5.89	5.18	4.49	3.84	3.24	2.70	2.22
	3.5		4.75	6.50	7.67	8.51	9.13	9.58	8.71	7.78	6.84	5.93	5.08	4.28	3.57	2.93
	4.5		6.62	9.05	10.70	11.90	12.70	13.30	12.10	10.80	9.53	8.26	7.07	5.97	4.97	4.08
	4.75		8.75	12.00	14.10	15.70	16.80	17.60	16.00	14.30	12.60	10.90	9.35	7.89	6.56	5.40
	5		11.40	15.60	18.40	20.40	21.80	22.90	20.80	18.60	16.40	14.20	12.20	10.30	8.53	7.02
	6		16.60	22.70	26.80	29.70	31.80	33.40	30.40	27.10	23.90	20.70	17.70	14.90	12.40	10.20
	7		21.30	29.10	34.40	38.10	40.90	42.90	39.00	34.80	30.60	26.60	22.70	19.20	16.00	13.10
	8		25.10	34.30	40.40	44.90	48.10	50.50	45.90	41.00	36.10	31.30	26.80	22.60	18.80	15.50
	10		29.30	40.10	47.30	52.50	56.30	59.10	53.70	48.00	42.20	36.60	31.30	26.40	22.00	18.10
+ 20	0.3			0.18	0.26	0.31	0.34	0.37	0.34	0.31	0.27	0.24	0.21	0.17	0.15	0.12
	0.5			0.34	0.49	0.58	0.65	0.70	0.64	0.58	0.52	0.45	0.39	0.33	0.28	0.23
	0.7			0.48	0.69	0.82	0.92	0.99	0.91	0.82	0.73	0.64	0.55	0.46	0.39	0.32
	1.0			0.70	1.01	1.20	1.34	1.44	1.33	1.20	1.06	0.93	0.80	0.68	0.57	0.47
	1.5			1.13	1.61	1.92	2.14	2.30	2.12	1.92	1.70	1.49	1.28	1.08	0.91	0.75
	2.0			1.41	2.01	2.40	2.67	2.87	2.65	2.40	2.13	1.86	1.60	1.36	1.13	0.94
	2.5			2.05	2.93	3.49	3.89	4.19	3.87	3.50	3.10	2.71	2.33	1.98	1.65	1.36
	3.0			3.26	4.65	5.55	6.18	6.65	6.14	5.55	4.93	4.30	3.70	3.14	2.62	2.16
	3.5			4.31	6.15	7.33	8.17	8.78	8.11	7.33	6.51	5.68	4.89	4.15	3.46	2.86
	4.5			6.00	8.56	10.20	11.40	12.20	11.30	10.20	9.06	7.91	6.81	5.77	4.82	3.98
	4.75			7.93	11.30	13.50	15.00	16.20	14.90	13.50	12.00	10.50	9.01	7.63	6.38	5.26
	5			10.30	14.70	17.50	19.50	21.00	19.40	17.60	15.60	13.60	11.70	9.92	8.29	6.84
	6			15.00	21.40	25.60	28.50	30.60	28.30	25.60	22.70	19.80	17.10	14.50	12.10	9.97
	7			19.30	27.50	32.80	36.60	39.30	36.30	32.80	29.10	25.40	21.90	18.60	15.50	12.80
	8			22.70	32.40	38.70	43.10	46.30	42.80	38.70	34.30	30.00	25.80	21.90	18.30	15.10
	10			26.60	37.90	45.20	50.40	54.20	50.00	45.20	40.10	35.10	30.20	25.60	21.40	17.60

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R409A

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45
+ 50	0.3		0.38	0.40	0.41	0.42	0.43	0.44	0.44	0.38	0.32	0.27	0.22			
	0.5		0.71	0.75	0.78	0.80	0.81	0.82	0.82	0.71	0.60	0.50	0.42			
	0.7		0.95	1.00	1.04	1.06	1.08	1.09	1.09	0.94	0.80	0.67	0.56			
	1.0		1.42	1.50	1.55	1.59	1.62	1.63	1.64	1.41	1.20	1.01	0.84			
	1.5		2.28	2.40	2.49	2.55	2.59	2.61	2.62	2.26	1.92	1.61	1.34			
	2.0		2.85	3.00	3.11	3.18	3.23	3.27	3.28	2.82	2.40	2.02	1.68			
	2.5		4.13	4.35	4.50	4.62	4.69	4.74	4.75	4.09	3.48	2.92	2.43			
	3.0		6.55	6.89	7.15	7.32	7.44	7.52	7.54	6.49	5.51	4.63	3.86			
	3.5		8.69	9.14	9.48	9.71	9.87	9.97	10.00	8.60	7.31	6.15	5.11			
	4.5		12.16	12.79	13.26	13.59	13.80	13.94	13.98	12.03	10.23	8.60	7.15			
	4.75		15.32	16.12	16.71	17.13	17.39	17.57	17.63	15.17	12.89	10.84	9.01			
	5		20.70	21.78	22.58	23.14	23.50	23.75	23.82	20.49	17.42	14.64	12.18			
	6		30.20	31.77	32.93	33.76	34.29	34.64	34.74	29.89	25.41	21.36	17.77			
	7		38.84	40.87	42.36	43.42	44.10	44.55	44.69	38.45	32.68	27.47	22.85			
	8		45.78	48.16	49.92	51.16	51.97	52.50	52.66	45.31	38.52	32.37	26.93			
	10		53.56	56.35	58.41	59.87	60.81	61.44	61.62	53.02	45.07	37.88	31.51			
+ 40	0.3		0.30	0.34	0.36	0.38	0.40	0.41	0.41	0.36	0.31	0.26	0.22			
	0.5		0.57	0.63	0.68	0.72	0.74	0.76	0.77	0.67	0.58	0.49	0.41			
	0.7		0.75	0.84	0.91	0.95	0.99	1.01	1.03	0.90	0.77	0.65	0.54			
	1.0		1.13	1.26	1.36	1.43	1.48	1.52	1.55	1.34	1.15	0.98	0.82			
	1.5		1.81	2.02	2.17	2.29	2.37	2.43	2.47	2.15	1.84	1.56	1.31			
	2.0		2.26	2.52	2.72	2.86	2.97	3.04	3.09	2.69	2.30	1.95	1.63			
	2.5		3.28	3.66	3.94	4.15	4.30	4.41	4.48	3.90	3.34	2.83	2.37			
	3.0		5.21	5.81	6.25	6.58	6.82	7.00	7.11	6.18	5.30	4.49	3.76			
	3.5		6.90	7.70	8.29	8.73	9.04	9.28	9.43	8.19	7.03	5.95	4.98			
	4.5		9.66	10.77	11.60	12.21	12.65	12.98	13.19	11.46	9.83	8.32	6.97			
	4.75		12.17	13.58	14.62	15.39	15.95	16.37	16.62	14.45	12.39	10.49	8.79			
	5		16.45	18.34	19.75	20.80	21.55	22.11	22.46	19.52	16.74	14.18	11.87			
	6		23.99	26.76	28.81	30.34	31.43	32.26	32.76	28.48	24.42	20.68	17.32			
	7		30.86	34.42	37.05	39.02	40.43	41.49	42.14	36.63	31.41	26.60	22.27			
	8		36.36	40.56	43.67	45.98	47.65	48.89	49.66	43.17	37.02	31.34	26.25			
	10		42.55	47.46	51.10	53.80	55.75	57.21	58.10	50.51	43.31	36.68	30.71			
+ 35	0.3		0.24	0.29	0.32	0.35	0.37	0.38	0.39	0.34	0.30	0.25	0.21			
	0.5		0.45	0.54	0.61	0.66	0.69	0.72	0.74	0.64	0.56	0.47	0.40			
	0.7		0.60	0.72	0.81	0.88	0.92	0.96	0.98	0.86	0.74	0.63	0.53			
	1.0		0.90	1.09	1.22	1.31	1.38	1.44	1.47	1.29	1.11	0.94	0.79			
	1.5		1.45	1.74	1.95	2.10	2.21	2.30	2.35	2.06	1.78	1.51	1.27			
	2.0		1.81	2.17	2.43	2.63	2.76	2.87	2.94	2.58	2.22	1.89	1.59			
	2.5		2.62	3.15	3.53	3.81	4.01	4.16	4.27	3.74	3.22	2.74	2.30			
	3.0		4.16	5.00	5.60	6.04	6.36	6.60	6.77	5.92	5.11	4.35	3.65			
	3.5		5.51	6.63	7.42	8.01	8.43	8.76	8.97	7.86	6.78	5.76	4.85			
	4.5		7.71	9.27	10.38	11.20	11.80	12.25	12.55	10.99	9.48	8.06	6.78			
	4.75		9.72	11.69	13.09	14.12	14.87	15.44	15.82	13.85	11.95	10.16	8.54			
	5		13.14	15.79	17.68	19.08	20.09	20.87	21.38	18.72	16.14	13.73	11.55			
	6		19.16	23.03	25.79	27.83	29.31	30.44	31.19	27.31	23.55	20.03	16.84			
	7		24.65	29.63	33.17	35.79	37.70	39.15	40.12	35.12	30.29	25.77	21.66			
	8		29.05	34.91	39.09	42.18	44.42	46.14	47.28	41.39	35.69	30.37	25.53			
	10		33.99	40.85	45.74	49.35	51.98	53.98	55.32	48.43	41.77	35.53	29.87			

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R409A

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45
+ 30	0.3		0.15	0.23	0.28	0.31	0.34	0.36	0.37	0.33	0.28	0.24	0.20			
	0.5		0.28	0.43	0.52	0.59	0.63	0.67	0.69	0.61	0.53	0.45	0.38			
	0.7		0.38	0.57	0.69	0.78	0.84	0.89	0.92	0.82	0.71	0.61	0.51			
	1.0		0.57	0.86	1.04	1.17	1.26	1.33	1.38	1.22	1.06	0.91	0.77			
	1.5		0.91	1.38	1.67	1.87	2.02	2.14	2.21	1.96	1.70	1.45	1.23			
	2.0		1.14	1.72	2.08	2.34	2.53	2.67	2.77	2.45	2.12	1.82	1.53			
	2.5		1.65	2.49	3.02	3.40	3.67	3.87	4.01	3.55	3.08	2.63	2.23			
	3.0		2.62	3.96	4.79	5.39	5.81	6.14	6.37	5.63	4.89	4.18	3.53			
	3.5		3.48	5.25	6.36	7.14	7.71	8.14	8.44	7.46	6.48	5.54	4.68			
	4.5		4.86	7.34	8.89	9.99	10.79	11.39	11.81	10.44	9.06	7.75	6.55			
	4.75		6.13	9.25	11.21	12.59	13.60	14.36	14.89	13.15	11.42	9.77	8.25			
	5		8.28	12.50	15.15	17.02	18.37	19.40	20.12	17.77	15.44	13.20	11.15			
	6		12.08	18.23	22.09	24.82	26.80	28.30	29.35	25.93	22.52	19.26	16.27			
	7		15.54	23.45	28.41	31.93	34.47	36.40	37.75	33.34	28.96	24.77	20.92			
	8		18.31	27.63	33.49	37.63	40.62	42.90	44.48	39.30	34.13	29.19	24.66			
	10		21.42	32.34	39.18	44.03	47.53	50.20	52.05	45.98	39.93	34.16	28.85			
+ 25	0.3			0.13	0.21	0.26	0.30	0.32	0.34	0.30	0.27	0.23	0.19			
	0.5			0.25	0.40	0.49	0.55	0.60	0.64	0.57	0.50	0.43	0.37			
	0.7			0.33	0.53	0.65	0.74	0.80	0.85	0.76	0.67	0.57	0.49			
	1.0			0.49	0.80	0.98	1.11	1.20	1.27	1.14	1.00	0.86	0.73			
	1.5			0.79	1.28	1.57	1.78	1.93	2.04	1.82	1.60	1.38	1.17			
	2.0			0.98	1.59	1.96	2.22	2.41	2.54	2.28	2.00	1.72	1.46			
	2.5			1.42	2.31	2.85	3.22	3.49	3.69	3.30	2.89	2.49	2.12			
	3.0			2.26	3.67	4.52	5.11	5.54	5.85	5.24	4.59	3.96	3.36			
	3.5			2.99	4.86	5.99	6.77	7.35	7.76	6.94	6.09	5.25	4.46			
	4.5			4.19	6.80	8.38	9.47	10.28	10.85	9.71	8.52	7.34	6.23			
	4.75			5.28	8.58	10.57	11.94	12.96	13.68	12.24	10.73	9.25	7.86			
	5			7.13	11.59	14.28	16.13	17.51	18.49	16.54	14.50	12.50	10.62			
	6			10.41	16.90	20.83	23.53	25.54	26.97	24.13	21.16	18.23	15.49			
	7			13.39	21.74	26.79	30.26	32.85	34.68	31.04	27.21	23.45	19.92			
	8			15.77	25.62	31.57	35.66	38.71	40.87	36.58	32.07	27.63	23.48			
	10			18.46	29.98	36.94	41.73	45.30	47.83	42.80	37.53	32.34	27.47			
+ 20	0.3				0.10	0.19	0.24	0.28	0.30	0.28	0.25	0.21	0.18			
	0.5				0.19	0.36	0.45	0.52	0.57	0.52	0.46	0.40	0.34			
	0.7				0.25	0.48	0.61	0.69	0.76	0.69	0.61	0.53	0.46			
	1.0				0.38	0.72	0.91	1.04	1.13	1.03	0.92	0.80	0.69			
	1.5				0.61	1.15	1.46	1.67	1.81	1.65	1.47	1.28	1.10			
	2.0				0.76	1.44	1.82	2.08	2.27	2.07	1.84	1.60	1.37			
	2.5				1.11	2.09	2.64	3.02	3.28	3.00	2.67	2.32	1.99			
	3.0				1.75	3.32	4.18	4.79	5.21	4.76	4.23	3.68	3.15			
	3.5				2.33	4.40	5.55	6.35	6.91	6.31	5.61	4.88	4.18			
	4.5				3.25	6.15	7.76	8.88	9.67	8.82	7.85	6.83	5.85			
	4.75				4.10	7.75	9.78	11.19	12.18	11.12	9.89	8.61	7.37			
	5				5.54	10.48	13.22	15.13	16.46	15.03	13.36	11.63	9.96			
	6				8.09	15.28	19.28	22.06	24.01	21.92	19.49	16.97	14.53			
	7				10.40	19.66	24.80	28.38	30.88	28.19	25.07	21.82	18.69			
	8				12.25	23.17	29.23	33.44	36.40	33.23	29.54	25.72	22.02			
	10				14.34	27.11	34.20	39.13	42.59	38.88	34.57	30.09	25.77			

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R413A

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)													
		+ 30	+ 20	+ 15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45
+ 50	0.3		0.33	0.35	0.36	0.37	0.37	0.37	0.37	0.31	0.26	0.22	0.18			
	0.5		0.64	0.67	0.69	0.70	0.70	0.70	0.70	0.60	0.50	0.42	0.35			
	0.7		0.89	0.93	0.95	0.97	0.97	0.97	0.97	0.83	0.70	0.58	0.48			
	1.0		1.28	1.34	1.37	1.40	1.41	1.41	1.40	1.19	1.01	0.84	0.69			
	1.5		2.12	2.21	2.27	2.31	2.33	2.32	2.31	1.97	1.66	1.39	1.14			
	2.0		2.61	2.72	2.80	2.85	2.87	2.87	2.85	2.43	2.05	1.71	1.41			
	2.5		3.79	3.96	4.07	4.13	4.16	4.16	4.14	3.53	2.98	2.48	2.05			
	3.0		5.96	6.22	6.39	6.50	6.54	6.54	6.50	5.55	4.68	3.90	3.21			
	3.5		7.88	8.22	8.45	8.59	8.65	8.65	8.59	7.34	6.19	5.16	4.25			
	4.5		11.03	11.51	11.83	12.03	12.11	12.11	12.03	10.27	8.66	7.22	5.95			
	4.75		14.48	15.11	15.53	15.78	15.90	15.89	15.79	13.48	11.37	9.48	7.81			
	5		18.82	19.63	20.18	20.51	20.66	20.65	20.52	17.52	14.78	12.32	10.15			
	6		27.49	28.68	29.48	29.96	30.17	30.17	29.97	25.59	21.58	17.99	14.83			
	7		35.37	36.90	37.93	38.55	38.82	38.81	38.56	32.92	27.77	23.15	19.08			
	8		41.57	43.38	44.59	45.31	45.64	45.63	45.33	38.70	32.64	27.21	22.42			
	10		48.67	50.78	52.20	53.04	53.42	53.41	53.06	45.30	38.21	31.86	26.25			
+ 40	0.3		0.27	0.30	0.32	0.33	0.34	0.35	0.35	0.30	0.26	0.22	0.18			
	0.5		0.51	0.56	0.60	0.63	0.65	0.66	0.67	0.58	0.49	0.41	0.34			
	0.7		0.71	0.78	0.84	0.87	0.90	0.92	0.92	0.80	0.68	0.57	0.48			
	1.0		1.02	1.13	1.21	1.26	1.30	1.32	1.33	1.15	0.98	0.83	0.69			
	1.5		1.69	1.87	2.00	2.09	2.15	2.19	2.20	1.91	1.63	1.37	1.14			
	2.0		2.08	2.30	2.46	2.57	2.65	2.69	2.72	2.35	2.00	1.69	1.40			
	2.5		3.02	3.34	3.57	3.74	3.85	3.92	3.95	3.41	2.91	2.45	2.04			
	3.0		4.74	5.25	5.62	5.87	6.05	6.15	6.20	5.36	4.57	3.85	3.21			
	3.5		6.27	6.95	7.43	7.77	8.00	8.14	8.20	7.09	6.05	5.10	4.24			
	4.5		8.78	9.72	10.40	10.87	11.19	11.39	11.48	9.93	8.47	7.13	5.93			
	4.75		11.52	12.76	13.65	14.27	14.69	14.95	15.07	13.03	11.12	9.36	7.79			
	5		14.97	16.58	17.73	18.54	19.09	19.42	19.58	16.93	14.44	12.17	10.12			
	6		21.87	24.22	25.90	27.09	27.88	28.37	28.60	24.73	21.10	17.77	14.78			
	7		28.14	31.17	33.33	34.86	35.88	36.51	36.80	31.82	27.15	22.87	19.02			
	8		33.08	36.64	39.18	40.97	42.18	42.91	43.26	37.41	31.91	26.88	22.36			
	10		38.72	42.89	45.87	47.96	49.37	50.24	50.64	43.79	37.36	31.46	26.18			
+ 35	0.3		0.21	0.25	0.28	0.30	0.32	0.33	0.33	0.29	0.25	0.21	0.18			
	0.5		0.41	0.49	0.54	0.58	0.61	0.63	0.64	0.55	0.48	0.40	0.34			
	0.7		0.56	0.67	0.75	0.80	0.84	0.87	0.88	0.77	0.66	0.56	0.47			
	1.0		0.81	0.97	1.08	1.16	1.21	1.25	1.27	1.11	0.95	0.81	0.67			
	1.5		1.35	1.61	1.79	1.92	2.01	2.07	2.11	1.83	1.58	1.33	1.12			
	2.0		1.66	1.98	2.20	2.36	2.47	2.55	2.59	2.26	1.94	1.65	1.38			
	2.5		2.41	2.88	3.20	3.43	3.59	3.70	3.77	3.29	2.82	2.39	2.00			
	3.0		3.79	4.52	5.03	5.39	5.65	5.82	5.92	5.16	4.43	3.76	3.14			
	3.5		5.01	5.98	6.65	7.13	7.47	7.69	7.83	6.83	5.86	4.97	4.15			
	4.5		7.01	8.37	9.31	9.98	10.45	10.77	10.97	9.56	8.21	6.95	5.81			
	4.75		9.20	10.98	12.22	13.10	13.72	14.14	14.39	12.54	10.77	9.13	7.63			
	5		11.95	14.27	15.88	17.03	17.83	18.37	18.70	16.30	14.00	11.86	9.91			
	6		17.46	20.85	23.20	24.87	26.04	26.83	27.32	23.81	20.45	17.32	14.48			
	7		22.47	26.83	29.85	32.00	33.51	34.53	35.15	30.64	26.31	22.29	18.63			
	8		26.41	31.53	35.09	37.62	39.39	40.59	41.32	36.01	30.93	26.20	21.90			
	10		30.92	36.91	41.07	44.03	46.11	47.51	48.37	42.16	36.20	30.67	25.64			

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R413A

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)													
		+ 30	+ 20	+ 15	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45
+ 30	0.3		0.13	0.20	0.24	0.27	0.29	0.30	0.31	0.27	0.24	0.20	0.17			
	0.5		0.25	0.38	0.46	0.51	0.55	0.58	0.60	0.53	0.46	0.39	0.33			
	0.7		0.34	0.52	0.63	0.71	0.76	0.80	0.83	0.73	0.63	0.54	0.45			
	1.0		0.50	0.76	0.92	1.03	1.10	1.16	1.19	1.05	0.91	0.78	0.65			
	1.5		0.82	1.25	1.52	1.70	1.83	1.92	1.98	1.74	1.51	1.28	1.08			
	2.0		1.01	1.54	1.87	2.09	2.25	2.36	2.43	2.14	1.86	1.58	1.33			
	2.5		1.47	2.24	2.72	3.04	3.27	3.43	3.54	3.11	2.70	2.30	1.93			
	3.0		2.31	3.53	4.27	4.78	5.14	5.39	5.56	4.89	4.24	3.61	3.04			
	3.5		3.05	4.66	5.64	6.32	6.79	7.13	7.35	6.47	5.60	4.78	4.02			
	4.5		4.28	6.53	7.90	8.84	9.51	9.98	10.29	9.06	7.84	6.69	5.62			
	4.75		5.61	8.57	10.37	11.61	12.48	13.09	13.51	11.89	10.29	8.78	7.38			
	5		7.29	11.13	13.47	15.08	16.22	17.01	17.55	15.45	13.37	11.40	9.59			
	6		10.65	16.26	19.68	22.03	23.69	24.85	25.63	22.57	19.53	16.66	14.01			
	7		13.71	20.92	25.32	28.35	30.48	31.98	32.98	29.04	25.14	21.43	18.02			
	8		16.11	24.60	29.77	33.32	35.83	37.59	38.77	34.13	29.55	25.19	21.19			
	10		18.86	28.79	34.84	39.00	41.94	44.00	45.39	39.95	34.59	29.49	24.80			
+ 25	0.3			0.11	0.18	0.22	0.25	0.27	0.29	0.26	0.22	0.19	0.16			
	0.5			0.21	0.35	0.43	0.48	0.52	0.55	0.49	0.43	0.37	0.31			
	0.7			0.29	0.48	0.59	0.67	0.72	0.76	0.68	0.59	0.51	0.43			
	1.0			0.41	0.69	0.86	0.97	1.04	1.10	0.98	0.86	0.74	0.62			
	1.5			0.69	1.15	1.42	1.60	1.72	1.81	1.62	1.42	1.22	1.03			
	2.0			0.85	1.41	1.74	1.97	2.12	2.23	1.99	1.74	1.50	1.27			
	2.5			1.23	2.05	2.53	2.86	3.09	3.25	2.90	2.53	2.18	1.84			
	3.0			1.93	3.23	3.98	4.49	4.85	5.10	4.55	3.98	3.42	2.90			
	3.5			2.55	4.27	5.27	5.94	6.41	6.74	6.02	5.27	4.53	3.83			
	4.5			3.58	5.98	7.37	8.32	8.98	9.44	8.43	7.37	6.34	5.37			
	4.75			4.69	7.84	9.68	10.92	11.79	12.39	11.06	9.68	8.32	7.04			
	5			6.10	10.19	12.57	14.18	15.31	16.10	14.37	12.57	10.81	9.15			
	6			8.91	14.88	18.37	20.72	22.37	23.52	20.99	18.36	15.79	13.36			
	7			11.46	19.15	23.63	26.66	28.78	30.26	27.01	23.63	20.32	17.20			
	8			13.47	22.51	27.78	31.34	33.84	35.58	31.75	27.78	23.88	20.21			
	10			15.77	26.35	32.52	36.68	39.61	41.65	37.17	32.51	27.95	23.66			
+ 20	0.3				0.08	0.16	0.21	0.23	0.25	0.23	0.21	0.18	0.15			
	0.5				0.15	0.31	0.39	0.45	0.49	0.44	0.39	0.34	0.29			
	0.7				0.21	0.43	0.55	0.62	0.67	0.61	0.55	0.47	0.41			
	1.0				0.31	0.62	0.79	0.90	0.97	0.89	0.79	0.69	0.59			
	1.5				0.51	1.03	1.30	1.48	1.61	1.47	1.30	1.13	0.97			
	2.0				0.63	1.27	1.61	1.83	1.99	1.81	1.61	1.40	1.19			
	2.5				0.92	1.84	2.33	2.66	2.89	2.63	2.33	2.03	1.73			
	3.0				1.44	2.89	3.66	4.18	4.54	4.13	3.67	3.19	2.72			
	3.5				1.90	3.82	4.85	5.53	6.00	5.47	4.85	4.22	3.60			
	4.5				2.67	5.35	6.78	7.74	8.40	7.65	6.79	5.90	5.04			
	4.75				3.50	7.02	8.90	10.15	11.02	10.04	8.91	7.75	6.62			
	5				4.55	9.12	11.57	13.19	14.32	13.05	11.58	10.07	8.60			
	6				6.64	13.32	16.90	19.27	20.91	19.06	16.92	14.71	12.56			
	7				8.55	17.14	21.74	24.80	26.91	24.52	21.77	18.92	16.16			
	8				10.05	20.15	25.56	29.15	31.63	28.83	25.59	22.25	18.99			
	10				11.76	23.59	29.92	34.12	37.03	33.75	29.96	26.04	22.23			

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R502

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 50	0.5	0.48	0.57	0.61	0.62	0.63	0.63	0.63	0.55	0.48	0.41	0.34	0.29	0.24	0.19	0.15
	0.7	0.67	0.78	0.85	0.86	0.87	0.88	0.88	0.77	0.66	0.56	0.48	0.40	0.33	0.27	0.21
	1.0	1.04	1.22	1.32	1.34	1.36	1.37	1.37	1.19	1.03	0.88	0.74	0.62	0.51	0.41	0.33
	1.5	1.63	1.91	2.07	2.11	2.14	2.15	2.15	1.87	1.62	1.38	1.16	0.97	0.80	0.65	0.52
	2.0	2.08	2.44	2.63	2.69	2.72	2.73	2.73	2.38	2.06	1.76	1.48	1.23	1.02	0.83	0.67
	2.5	2.93	3.44	3.72	3.79	3.84	3.86	3.85	3.36	2.90	2.48	2.09	1.74	1.43	1.17	0.94
	3.0	4.75	5.57	6.02	6.15	6.22	6.25	6.24	5.45	4.71	4.01	3.38	2.82	2.32	1.89	1.52
	3.5	6.38	7.49	8.09	8.26	8.36	8.40	8.39	7.32	6.32	5.39	4.54	3.79	3.12	2.54	2.05
	4.5	8.46	9.92	10.72	10.95	11.08	11.13	11.12	9.70	8.38	7.15	6.02	5.02	4.14	3.37	2.71
	4.75	10.76	12.62	13.64	13.92	14.09	14.16	14.14	12.34	10.66	9.09	7.66	6.39	5.26	4.28	3.45
	5	14.69	17.23	18.62	19.01	19.24	19.34	19.31	16.85	14.56	12.42	10.46	8.72	7.19	5.85	4.71
	6	20.70	24.28	26.24	26.79	27.12	27.24	27.20	23.75	20.51	17.50	14.74	12.29	10.13	8.24	6.64
	7	25.89	30.38	32.82	33.51	33.92	34.08	34.03	29.71	25.66	21.89	18.43	15.37	12.67	10.31	8.31
	8	32.79	38.47	41.57	42.44	42.96	43.16	43.10	37.62	32.49	27.72	23.35	19.47	16.04	13.06	10.52
	10	37.98	44.56	48.16	49.17	49.76	50.01	49.92	43.58	37.64	32.11	27.04	22.55	18.58	15.13	12.18
+ 40	0.5	0.32	0.49	0.57	0.60	0.62	0.63	0.64	0.57	0.49	0.43	0.36	0.30	0.25	0.21	0.17
	0.7	0.45	0.68	0.80	0.83	0.86	0.88	0.89	0.78	0.68	0.59	0.50	0.42	0.35	0.29	0.23
	1.0	0.69	1.05	1.24	1.30	1.34	1.37	1.38	1.22	1.06	0.92	0.78	0.66	0.54	0.45	0.36
	1.5	1.09	1.65	1.94	2.04	2.10	2.15	2.17	1.92	1.67	1.44	1.22	1.03	0.86	0.70	0.57
	2.0	1.39	2.10	2.47	2.59	2.67	2.73	2.76	2.44	2.13	1.83	1.56	1.31	1.09	0.89	0.73
	2.5	1.96	2.96	3.49	3.66	3.77	3.85	3.90	3.44	3.00	2.59	2.20	1.85	1.54	1.26	1.02
	3.0	3.17	4.80	5.65	5.92	6.11	6.24	6.32	5.58	4.87	4.19	3.56	3.00	2.49	2.04	1.66
	3.5	4.26	6.46	7.60	7.96	8.21	8.39	8.49	7.49	6.54	5.63	4.79	4.02	3.34	2.74	2.23
	4.5	5.65	8.56	10.07	10.55	10.89	11.12	11.25	9.93	8.67	7.47	6.34	5.34	4.43	3.64	2.95
	4.75	7.18	10.88	12.81	13.42	13.85	14.14	14.31	12.64	11.03	9.50	8.07	6.79	5.64	4.63	3.76
	5	9.81	14.86	17.49	18.32	18.91	19.31	19.54	17.25	15.06	12.97	11.02	9.27	7.70	6.32	5.13
	6	13.82	20.94	24.65	25.82	26.65	27.21	27.53	24.31	21.22	18.27	15.53	13.06	10.85	8.90	7.23
	7	17.29	26.20	30.84	32.29	33.33	34.03	34.44	30.41	26.54	22.86	19.42	16.33	13.57	11.14	9.05
	8	21.89	33.18	39.05	40.90	42.22	43.10	43.61	38.52	33.61	28.95	24.60	20.69	17.18	14.11	11.46
	10	25.36	38.43	45.24	47.38	48.90	49.92	50.52	44.62	38.94	33.53	28.49	23.96	19.91	16.34	13.27
+ 35	0.5		0.42	0.53	0.57	0.60	0.62	0.63	0.56	0.49	0.43	0.36	0.31	0.26	0.21	0.17
	0.7		0.58	0.74	0.79	0.83	0.86	0.87	0.78	0.68	0.59	0.50	0.43	0.36	0.29	0.24
	1.0		0.89	1.15	1.23	1.29	1.33	1.36	1.21	1.06	0.92	0.78	0.66	0.55	0.46	0.37
	1.5		1.41	1.81	1.94	2.03	2.09	2.14	1.90	1.67	1.44	1.23	1.04	0.87	0.72	0.58
	2.0		1.79	2.30	2.46	2.58	2.66	2.72	2.42	2.12	1.84	1.57	1.33	1.11	0.91	0.74
	2.5		2.52	3.25	3.47	3.64	3.76	3.84	3.41	3.00	2.59	2.21	1.87	1.56	1.28	1.05
	3.0		4.09	5.26	5.63	5.90	6.09	6.21	5.53	4.85	4.20	3.59	3.03	2.53	2.08	1.70
	3.5		5.50	7.07	7.57	7.93	8.18	8.35	7.43	6.52	5.65	4.82	4.07	3.39	2.80	2.28
	4.5		7.29	9.38	10.03	10.51	10.84	11.07	9.85	8.64	7.48	6.39	5.39	4.50	3.71	3.02
	4.75		9.27	11.93	12.76	13.36	13.79	14.08	12.52	11.00	9.52	8.12	6.86	5.72	4.71	3.84
	5		12.65	16.29	17.42	18.25	18.84	19.23	17.10	15.01	13.00	11.09	9.37	7.81	6.44	5.25
	6		17.83	22.95	24.54	25.71	26.54	27.09	24.10	21.16	18.31	15.63	13.20	11.01	9.07	7.39
	7		22.30	28.71	30.70	32.16	33.20	33.89	30.14	26.46	22.91	19.55	16.52	13.77	11.35	9.25
	8		28.25	36.36	38.88	40.73	42.05	42.92	38.18	33.52	29.01	24.77	20.92	17.44	14.37	11.71
	10		32.72	42.11	45.04	47.18	48.71	49.72	44.22	38.82	33.61	28.69	24.23	20.21	16.65	13.57

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R502

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 30	0.5		0.30	0.48	0.53	0.57	0.59	0.61	0.55	0.49	0.42	0.36	0.31	0.26	0.21	0.17
	0.7		0.42	0.66	0.73	0.78	0.82	0.85	0.76	0.67	0.59	0.50	0.43	0.36	0.29	0.24
	1.0		0.65	1.03	1.14	1.22	1.28	1.32	1.18	1.05	0.91	0.78	0.66	0.55	0.46	0.38
	1.5		1.02	1.62	1.79	1.91	2.01	2.07	1.86	1.64	1.43	1.23	1.04	0.87	0.72	0.59
	2.0		1.30	2.06	2.27	2.44	2.55	2.63	2.36	2.09	1.82	1.56	1.32	1.11	0.92	0.75
	2.5		1.84	2.90	3.21	3.44	3.60	3.72	3.34	2.95	2.57	2.20	1.87	1.57	1.29	1.06
	3.0		2.98	4.70	5.20	5.57	5.83	6.02	5.40	4.78	4.16	3.57	3.03	2.54	2.10	1.71
	3.5		4.00	6.32	6.99	7.48	7.84	8.09	7.26	6.42	5.59	4.80	4.07	3.41	2.82	2.30
	4.5		5.30	8.37	9.26	9.91	10.39	10.73	9.63	8.51	7.41	6.36	5.39	4.52	3.73	3.05
	4.75		6.75	10.65	11.78	12.61	13.22	13.64	12.24	10.83	9.43	8.09	6.86	5.74	4.75	3.89
	5		9.21	14.54	16.09	17.22	18.05	18.63	16.72	14.78	12.87	11.04	9.37	7.84	6.49	5.31
	6		12.98	20.49	22.67	24.27	25.43	26.25	23.56	20.83	18.14	15.56	13.20	11.05	9.14	7.48
	7		16.24	25.63	28.35	30.35	31.81	32.84	29.47	26.06	22.69	19.47	16.51	13.83	11.43	9.35
	8		20.56	32.46	35.91	38.44	40.29	41.59	37.32	33.00	28.74	24.65	20.91	17.51	14.48	11.84
	10		23.82	37.60	41.60	44.53	46.67	48.18	43.23	38.22	33.29	28.56	24.23	20.29	16.77	13.72
+ 25	0.5			0.39	0.47	0.52	0.55	0.58	0.53	0.47	0.41	0.36	0.30	0.26	0.21	0.17
	0.7			0.55	0.65	0.72	0.77	0.80	0.73	0.65	0.57	0.49	0.42	0.35	0.29	0.24
	1.0			0.85	1.00	1.11	1.19	1.25	1.14	1.01	0.89	0.77	0.65	0.55	0.46	0.37
	1.5			1.34	1.58	1.75	1.88	1.97	1.79	1.59	1.40	1.21	1.03	0.86	0.72	0.59
	2.0			1.70	2.01	2.23	2.39	2.50	2.27	2.03	1.78	1.53	1.31	1.10	0.91	0.75
	2.5			2.40	2.83	3.14	3.37	3.53	3.21	2.86	2.51	2.16	1.85	1.55	1.29	1.06
	3.0			3.88	4.59	5.09	5.46	5.72	5.19	4.63	4.06	3.51	2.99	2.51	2.09	1.71
	3.5			5.22	6.17	6.84	7.33	7.69	6.98	6.23	5.46	4.71	4.02	3.38	2.80	2.30
	4.5			6.92	8.17	9.07	9.72	10.19	9.25	8.25	7.24	6.25	5.33	4.48	3.72	3.05
	4.75			8.80	10.39	11.53	12.36	12.96	11.77	10.50	9.21	7.95	6.77	5.70	4.73	3.88
	5			12.02	14.19	15.75	16.88	17.70	16.07	14.34	12.57	10.85	9.25	7.78	6.46	5.30
	6			16.94	20.00	22.19	23.79	24.95	22.64	20.20	17.72	15.29	13.03	10.96	9.10	7.47
	7			21.18	25.02	27.76	29.76	31.21	28.32	25.27	22.16	19.12	16.31	13.71	11.38	9.34
	8			26.83	31.69	35.16	37.69	39.52	35.87	32.00	28.07	24.22	20.65	17.37	14.42	11.83
	10			31.08	36.70	40.72	43.66	45.78	41.55	37.07	32.51	28.06	23.92	20.12	16.70	13.71
+ 20	0.5			0.27	0.38	0.45	0.50	0.54	0.50	0.45	0.40	0.35	0.30	0.25	0.21	0.17
	0.7			0.37	0.52	0.62	0.70	0.75	0.69	0.62	0.55	0.48	0.41	0.35	0.29	0.24
	1.0			0.57	0.81	0.97	1.08	1.16	1.07	0.97	0.86	0.74	0.64	0.54	0.45	0.37
	1.5			0.90	1.28	1.53	1.70	1.82	1.68	1.52	1.34	1.17	1.00	0.85	0.71	0.58
	2.0			1.14	1.63	1.94	2.16	2.32	2.14	1.93	1.71	1.49	1.28	1.08	0.90	0.74
	2.5			1.61	2.30	2.74	3.05	3.28	3.02	2.73	2.41	2.10	1.80	1.52	1.27	1.04
	3.0			2.61	3.72	4.44	4.94	5.31	4.90	4.42	3.91	3.40	2.92	2.46	2.05	1.69
	3.5			3.51	5.00	5.96	6.64	7.13	6.58	5.94	5.26	4.57	3.92	3.31	2.76	2.27
	4.5			4.66	6.63	7.91	8.80	9.45	8.72	7.87	6.97	6.06	5.19	4.39	3.66	3.02
	4.75			5.92	8.44	10.05	11.20	12.03	11.09	10.02	8.86	7.70	6.61	5.58	4.66	3.84
	5			8.09	11.52	13.73	15.29	16.42	15.15	13.68	12.10	10.52	9.02	7.63	6.36	5.24
	6			11.40	16.23	19.35	21.55	23.14	21.35	19.27	17.06	14.82	12.71	10.75	8.96	7.38
	7			14.26	20.31	24.20	26.95	28.94	26.70	24.11	21.33	18.54	15.90	13.44	11.20	9.23
	8			18.06	25.72	30.65	34.13	36.66	33.82	30.53	27.02	23.49	20.14	17.02	14.19	11.69
	10			20.92	29.79	35.50	39.54	42.46	39.17	35.36	31.30	27.20	23.33	19.72	16.44	13.54

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R507

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 50	0.3	0.26	0.31	0.33	0.34	0.34	0.34	0.34	0.29	0.25	0.21	0.18	0.15	0.12	0.10	0.08
	0.5	0.50	0.58	0.63	0.64	0.64	0.64	0.64	0.55	0.47	0.40	0.34	0.28	0.23	0.18	0.15
	0.7	0.72	0.84	0.90	0.91	0.92	0.92	0.91	0.79	0.68	0.57	0.48	0.40	0.32	0.26	0.21
	1.0	1.04	1.21	1.30	1.32	1.33	1.33	1.32	1.14	0.98	0.83	0.70	0.58	0.47	0.38	0.30
	1.5	1.65	1.92	2.06	2.09	2.11	2.11	2.09	1.81	1.56	1.32	1.10	0.91	0.75	0.60	0.48
	2.0	2.08	2.42	2.60	2.64	2.66	2.66	2.64	2.29	1.96	1.66	1.39	1.15	0.94	0.76	0.60
	2.5	3.01	3.51	3.76	3.82	3.85	3.85	3.82	3.31	2.84	2.41	2.02	1.67	1.36	1.10	0.87
	3.0	4.79	5.60	6.00	6.10	6.14	6.14	6.09	5.28	4.53	3.84	3.22	2.66	2.17	1.75	1.39
	3.5	6.30	7.35	7.88	8.01	8.07	8.06	8.00	6.94	5.95	5.04	4.22	3.50	2.85	2.30	1.83
	4.5	8.80	10.27	11.02	11.20	11.28	11.27	11.19	9.70	8.32	7.05	5.90	4.89	3.99	3.21	2.55
	4.75	11.59	13.53	14.52	14.75	14.86	14.84	14.73	12.77	10.96	9.29	7.78	6.43	5.25	4.23	3.36
	5	15.03	17.54	18.82	19.12	19.26	19.24	19.10	16.56	14.21	12.04	10.08	8.34	6.81	5.48	4.36
	6	21.90	25.56	27.42	27.87	28.06	28.04	27.83	24.13	20.70	17.54	14.69	12.15	9.92	7.99	6.35
	7	28.12	32.82	35.21	35.79	36.04	36.01	35.75	30.98	26.59	22.53	18.86	15.61	12.74	10.26	8.15
	8	33.13	38.67	41.48	42.17	42.46	42.43	42.11	36.50	31.33	26.54	22.22	18.39	15.01	12.09	9.60
	10	38.78	45.27	48.56	49.36	49.71	49.67	49.30	42.73	36.67	31.07	26.01	21.53	17.58	14.15	11.24
+ 40	0.3	0.19	0.28	0.32	0.34	0.35	0.35	0.36	0.31	0.27	0.23	0.20	0.17	0.14	0.11	0.09
	0.5	0.36	0.53	0.61	0.64	0.66	0.67	0.67	0.59	0.52	0.44	0.37	0.31	0.26	0.21	0.17
	0.7	0.51	0.75	0.88	0.92	0.94	0.96	0.96	0.85	0.74	0.63	0.53	0.45	0.37	0.30	0.24
	1.0	0.74	1.09	1.27	1.33	1.36	1.39	1.40	1.23	1.07	0.91	0.78	0.65	0.54	0.44	0.35
	1.5	1.17	1.73	2.02	2.11	2.16	2.20	2.22	1.95	1.69	1.45	1.23	1.03	0.85	0.69	0.56
	2.0	1.48	2.18	2.55	2.66	2.73	2.77	2.80	2.46	2.13	1.83	1.55	1.30	1.07	0.87	0.70
	2.5	2.14	3.16	3.69	3.85	3.95	4.02	4.05	3.56	3.09	2.65	2.25	1.88	1.55	1.27	1.02
	3.0	3.42	5.05	5.88	6.14	6.31	6.41	6.46	5.67	4.93	4.23	3.58	3.00	2.48	2.02	1.63
	3.5	4.49	6.63	7.73	8.06	8.28	8.42	8.48	7.45	6.48	5.55	4.70	3.94	3.25	2.65	2.13
	4.5	6.27	9.26	10.80	11.26	11.58	11.77	11.86	10.42	9.05	7.76	6.57	5.50	4.55	3.71	2.98
	4.75	8.26	12.20	14.22	14.83	15.25	15.50	15.62	13.72	11.92	10.22	8.66	7.25	5.99	4.88	3.93
	5	10.71	15.81	18.44	19.23	19.77	20.09	20.24	17.78	15.45	13.25	11.23	9.40	7.77	6.33	5.09
	6	15.60	23.04	26.87	28.02	28.80	29.28	29.50	25.91	22.52	19.31	16.36	13.70	11.31	9.22	7.42
	7	20.03	29.59	34.51	35.99	36.99	37.60	37.88	33.28	28.92	24.80	21.01	17.59	14.53	11.84	9.53
	8	23.60	34.86	40.65	42.40	43.58	44.30	44.63	39.21	34.07	29.21	24.75	20.72	17.12	13.95	11.23
	10	27.63	40.81	47.59	49.63	51.01	51.86	52.25	45.90	39.89	34.20	28.97	24.26	20.04	16.33	13.15
+ 35	0.3		0.24	0.31	0.33	0.34	0.35	0.36	0.31	0.28	0.24	0.20	0.17	0.14	0.12	0.09
	0.5		0.46	0.58	0.62	0.64	0.66	0.67	0.60	0.52	0.45	0.38	0.32	0.27	0.22	0.18
	0.7		0.65	0.83	0.88	0.92	0.95	0.96	0.85	0.74	0.64	0.55	0.46	0.38	0.31	0.25
	1.0		0.95	1.20	1.28	1.33	1.37	1.39	1.23	1.08	0.93	0.79	0.67	0.55	0.45	0.37
	1.5		1.50	1.91	2.03	2.12	2.17	2.21	1.96	1.71	1.48	1.26	1.06	0.88	0.72	0.58
	2.0		1.90	2.40	2.56	2.67	2.74	2.79	2.47	2.16	1.86	1.59	1.33	1.11	0.91	0.73
	2.5		2.74	3.48	3.70	3.86	3.97	4.04	3.57	3.13	2.70	2.30	1.93	1.60	1.31	1.06
	3.0		4.38	5.55	5.91	6.16	6.33	6.44	5.70	4.99	4.30	3.66	3.08	2.56	2.10	1.69
	3.5		5.75	7.29	7.76	8.09	8.32	8.46	7.49	6.55	5.65	4.81	4.05	3.36	2.75	2.23
	4.5		8.04	10.19	10.85	11.31	11.63	11.82	10.47	9.15	7.89	6.72	5.66	4.70	3.85	3.11
	4.75		10.59	13.42	14.29	14.90	15.32	15.57	13.78	12.06	10.40	8.86	7.45	6.19	5.07	4.10
	5		13.72	17.40	18.52	19.32	19.85	20.18	17.87	15.63	13.48	11.48	9.66	8.02	6.57	5.31
	6		20.00	25.36	26.98	28.15	28.93	29.41	26.04	22.77	19.64	16.73	14.08	11.69	9.57	7.74
	7		25.68	32.56	34.66	36.15	37.16	37.77	33.44	29.25	25.22	21.48	18.08	15.01	12.29	9.94
	8		30.26	38.36	40.83	42.59	43.78	44.50	39.39	34.46	29.71	25.31	21.30	17.68	14.48	11.71
	10		35.42	44.91	47.80	49.85	51.24	52.10	46.11	40.33	34.78	29.63	24.93	20.70	16.95	13.71

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell - software.

Honeywell	Quick selection table Refrigeration capacities Q_0 (kW)	for all valve series	R507

Condensing temperature t_c (°C)	Orifice size	Evaporating temperature t_o (°C)														
		+ 30	+ 20	+ 10	+ 5	± 0	- 5	- 10	- 15	- 20	- 25	- 30	- 35	- 40	- 45	- 50
+ 30	0.3		0.18	0.28	0.30	0.32	0.34	0.35	0.31	0.27	0.24	0.20	0.17	0.14	0.12	0.10
	0.5		0.34	0.52	0.58	0.61	0.64	0.66	0.59	0.52	0.45	0.39	0.33	0.27	0.22	0.18
	0.7		0.49	0.75	0.82	0.88	0.91	0.94	0.84	0.74	0.64	0.55	0.47	0.39	0.32	0.26
	1.0		0.71	1.09	1.19	1.27	1.33	1.36	1.22	1.07	0.93	0.80	0.67	0.56	0.46	0.38
	1.5		1.13	1.72	1.89	2.02	2.10	2.16	1.93	1.70	1.48	1.27	1.07	0.89	0.73	0.60
	2.0		1.43	2.17	2.39	2.54	2.65	2.73	2.44	2.15	1.86	1.60	1.35	1.13	0.93	0.75
	2.5		2.07	3.15	3.46	3.68	3.84	3.95	3.53	3.11	2.70	2.31	1.95	1.63	1.34	1.09
	3.0		3.30	5.02	5.51	5.87	6.13	6.30	5.63	4.96	4.30	3.69	3.12	2.60	2.14	1.74
	3.5		4.33	6.59	7.24	7.71	8.05	8.27	7.39	6.51	5.65	4.84	4.09	3.41	2.81	2.28
	4.5		6.05	9.21	10.12	10.78	11.25	11.56	10.33	9.10	7.90	6.77	5.72	4.77	3.93	3.19
	4.75		7.97	12.13	13.33	14.20	14.81	15.23	13.60	11.99	10.40	8.91	7.54	6.29	5.17	4.20
	5		10.33	15.73	17.28	18.41	19.20	19.74	17.63	15.54	13.49	11.55	9.77	8.15	6.70	5.44
	6		15.05	22.91	25.18	26.82	27.98	28.77	25.70	22.64	19.65	16.83	14.23	11.87	9.77	7.93
	7		19.33	29.43	32.34	34.44	35.94	36.95	33.00	29.08	25.24	21.62	18.28	15.25	12.54	10.19
	8		22.77	34.67	38.10	40.58	42.34	43.53	38.88	34.26	29.73	25.47	21.54	17.96	14.78	12.00
	10		26.66	40.59	44.60	47.50	49.56	50.96	45.51	40.10	34.81	29.81	25.21	21.03	17.30	14.05
+ 25	0.3			0.23	0.27	0.30	0.32	0.33	0.30	0.27	0.23	0.20	0.17	0.14	0.12	0.10
	0.5			0.44	0.51	0.57	0.60	0.63	0.57	0.51	0.44	0.38	0.32	0.27	0.22	0.18
	0.7			0.63	0.73	0.81	0.86	0.90	0.81	0.72	0.63	0.55	0.46	0.39	0.32	0.26
	1.0			0.91	1.07	1.17	1.25	1.31	1.18	1.05	0.92	0.79	0.67	0.56	0.47	0.38
	1.5			1.45	1.69	1.86	1.99	2.07	1.87	1.66	1.46	1.25	1.07	0.89	0.74	0.60
	2.0			1.83	2.13	2.35	2.50	2.61	2.36	2.10	1.84	1.58	1.34	1.13	0.93	0.76
	2.5			2.65	3.09	3.40	3.63	3.78	3.42	3.04	2.66	2.29	1.95	1.63	1.35	1.10
	3.0			4.22	4.92	5.42	5.78	6.04	5.45	4.85	4.24	3.65	3.11	2.60	2.15	1.75
	3.5			5.54	6.47	7.12	7.60	7.93	7.16	6.37	5.57	4.80	4.08	3.42	2.83	2.30
	4.5			7.75	9.04	9.96	10.62	11.08	10.01	8.90	7.78	6.71	5.70	4.78	3.95	3.22
	4.75			10.20	11.91	13.11	13.98	14.60	13.19	11.73	10.25	8.84	7.51	6.30	5.20	4.24
	5			13.23	15.43	17.00	18.13	18.92	17.10	15.20	13.29	11.45	9.74	8.16	6.74	5.50
	6			19.27	22.49	24.77	26.41	27.58	24.91	22.15	19.37	16.69	14.19	11.89	9.83	8.01
	7			24.75	28.88	31.82	33.92	35.42	32.00	28.45	24.87	21.43	18.23	15.27	12.62	10.29
	8			29.16	34.03	37.48	39.97	41.72	37.69	33.52	29.30	25.25	21.47	18.00	14.87	12.12
	10			34.14	39.83	43.88	46.79	48.84	44.13	39.23	34.30	29.56	25.14	21.07	17.40	14.19
+ 20	0.3			0.16	0.22	0.26	0.29	0.31	0.29	0.26	0.23	0.20	0.17	0.14	0.12	0.10
	0.5			0.31	0.43	0.50	0.55	0.59	0.54	0.49	0.43	0.37	0.32	0.27	0.22	0.18
	0.7			0.44	0.61	0.71	0.79	0.84	0.77	0.70	0.61	0.53	0.46	0.38	0.32	0.26
	1.0			0.64	0.88	1.04	1.14	1.22	1.12	1.01	0.89	0.77	0.66	0.56	0.46	0.38
	1.5			1.02	1.40	1.64	1.82	1.94	1.78	1.60	1.41	1.23	1.05	0.88	0.73	0.60
	2.0			1.29	1.76	2.07	2.29	2.44	2.24	2.02	1.78	1.55	1.32	1.11	0.93	0.76
	2.5			1.86	2.55	3.00	3.32	3.54	3.25	2.92	2.58	2.24	1.92	1.61	1.34	1.10
	3.0			2.97	4.07	4.79	5.29	5.65	5.18	4.66	4.11	3.57	3.06	2.57	2.14	1.75
	3.5			3.91	5.35	6.29	6.95	7.42	6.81	6.13	5.40	4.69	4.01	3.38	2.81	2.30
	4.5			5.46	7.47	8.79	9.71	10.37	9.52	8.56	7.55	6.56	5.61	4.73	3.92	3.21
	4.75			7.19	9.84	11.57	12.79	13.66	12.54	11.28	9.95	8.64	7.39	6.23	5.17	4.23
	5			9.32	12.76	15.00	16.58	17.70	16.25	14.62	12.90	11.20	9.58	8.07	6.70	5.49
	6			13.58	18.59	21.86	24.16	25.80	23.68	21.30	18.79	16.31	13.96	11.76	9.76	7.99
	7			17.44	23.87	28.07	31.02	33.13	30.41	27.36	24.14	20.95	17.93	15.10	12.54	10.27
	8			20.55	28.13	33.07	36.55	39.03	35.83	32.23	28.43	24.69	21.12	17.79	14.77	12.09
	10			24.05	32.93	38.72	42.79	45.69	41.94	37.73	33.29	28.90	24.72	20.83	17.29	14.16

Capacities are based on 1 K subcooling and 1.5 bar pressure drop within the circuit.
For other conditions use the Honeywell - calculation method or the Honeywell – software

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