

## Correction Elements that Influence the Capacity

### Pressure Drop in High-Pressure Side Liquid Pipe

Pressure drop on high-pressure side deteriorates refrigerating capacity. Pressure drop generated between the condenser and the expansion valve leads to the generation of flush gas, and deteriorates the capacity of the expansion valve. In general, therefore, it is necessary to consider supercooling at about 1 to 3°C.

### Pressure Drop Correction Factor of Pipes on Low-Pressure Side

Pressure drop in the distributor and the evaporator cause the imbalance in temperature and deterioration of capacity, and increases the static superheat at the internal equalizer type expansion valve. The correction factors shown here are for cases in which Pressure drop changes occur in the distributor and evaporator.

R134a	Evaporating Temp. (°C)	Pressure Drop (MPa)										
		0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225	0.25
-60	1.000	0.987	0.973	0.960	0.946	0.932	0.917	0.903	0.888	0.873	0.858	
-50	1.000	0.987	0.973	0.959	0.945	0.931	0.916	0.901	0.886	0.871	0.856	
-40	1.000	0.986	0.972	0.958	0.944	0.929	0.914	0.899	0.884	0.868	0.852	
-30	1.000	0.986	0.971	0.956	0.941	0.926	0.911	0.895	0.879	0.863	0.846	
-20	1.000	0.985	0.969	0.954	0.938	0.922	0.905	0.888	0.871	0.854	0.836	
-10	1.000	0.983	0.967	0.950	0.932	0.914	0.896	0.878	0.859	0.840	0.820	
-5	1.000	0.982	0.965	0.946	0.928	0.909	0.890	0.870	0.850	0.829	0.808	
0	1.000	0.981	0.962	0.942	0.922	0.902	0.881	0.860	0.838	0.815	0.792	
5	1.000	0.979	0.958	0.937	0.915	0.892	0.869	0.845	0.821	0.796	0.770	
10	1.000	0.977	0.953	0.929	0.904	0.879	0.852	0.825	0.797	0.768	0.738	

R410A	Evaporating Temp. (°C)	Pressure Drop (MPa)										
		0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225	0.25
-60	1.000	0.994	0.989	0.983	0.977	0.972	0.966	0.960	0.954	0.949	0.943	
-50	1.000	0.994	0.989	0.983	0.977	0.971	0.965	0.959	0.953	0.948	0.942	
-40	1.000	0.994	0.988	0.982	0.976	0.970	0.964	0.958	0.952	0.946	0.940	
-30	1.000	0.994	0.988	0.981	0.975	0.969	0.963	0.956	0.950	0.943	0.937	
-20	1.000	0.993	0.987	0.980	0.973	0.967	0.960	0.953	0.946	0.939	0.932	
-10	1.000	0.993	0.986	0.978	0.971	0.963	0.956	0.948	0.941	0.933	0.925	
-5	1.000	0.992	0.985	0.977	0.969	0.961	0.953	0.945	0.937	0.929	0.920	
0	1.000	0.992	0.983	0.975	0.966	0.958	0.949	0.940	0.932	0.923	0.914	
5	1.000	0.991	0.982	0.972	0.963	0.954	0.944	0.934	0.925	0.915	0.905	
10	1.000	0.990	0.979	0.969	0.958	0.948	0.937	0.926	0.915	0.904	0.892	

R404A	Evaporating Temp. (°C)	Pressure Drop (MPa)										
		0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225	0.25
-60	1.000	0.993	0.985	0.978	0.970	0.962	0.955	0.947	0.939	0.931	0.923	
-50	1.000	0.992	0.985	0.977	0.969	0.962	0.954	0.946	0.938	0.930	0.922	
-40	1.000	0.992	0.984	0.976	0.968	0.960	0.952	0.944	0.936	0.928	0.919	
-30	1.000	0.992	0.984	0.975	0.967	0.959	0.950	0.942	0.933	0.924	0.915	
-20	1.000	0.991	0.983	0.974	0.965	0.956	0.947	0.937	0.928	0.919	0.909	
-10	1.000	0.990	0.981	0.971	0.961	0.951	0.941	0.931	0.921	0.910	0.900	
-5	1.000	0.990	0.980	0.969	0.959	0.948	0.937	0.926	0.915	0.904	0.893	
0	1.000	0.989	0.978	0.967	0.955	0.944	0.932	0.920	0.908	0.896	0.884	
5	1.000	0.988	0.976	0.963	0.951	0.938	0.925	0.912	0.899	0.885	0.872	
10	1.000	0.986	0.973	0.959	0.945	0.930	0.916	0.901	0.886	0.870	0.855	

R448A	Evaporating Temp. (°C)	Pressure Drop (MPa)										
		0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225	0.25
-60	1.000	0.993	0.986	0.978	0.971	0.964	0.956	0.949	0.941	0.934	0.926	
-50	1.000	0.993	0.985	0.978	0.971	0.963	0.956	0.948	0.941	0.933	0.925	
-40	1.000	0.993	0.985	0.978	0.970	0.962	0.955	0.947	0.939	0.931	0.923	
-30	1.000	0.993	0.985	0.977	0.969	0.961	0.953	0.945	0.937	0.928	0.920	
-20	1.000	0.992	0.984	0.975	0.967	0.959	0.950	0.942	0.933	0.924	0.916	
-10	1.000	0.991	0.982	0.973	0.964	0.955	0.946	0.937	0.927	0.918	0.908	
-5	1.000	0.991	0.981	0.972	0.962	0.953	0.943	0.933	0.923	0.913	0.903	
0	1.000	0.990	0.980	0.970	0.960	0.950	0.939	0.929	0.918	0.908	0.897	
5	1.000	0.989	0.979	0.968	0.957	0.946	0.934	0.923	0.911	0.900	0.888	
10	1.000	0.988	0.976	0.965	0.952	0.940	0.928	0.915	0.902	0.889	0.876	

R407C	Evaporating Temp. (°C)	Pressure Drop (MPa)										
		0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225	0.25
-60	1.000	0.992	0.985	0.977	0.969	0.961	0.953	0.945	0.937	0.929	0.921	
-50	1.000	0.992	0.984	0.977	0.969	0.961	0.952	0.944	0.936	0.928	0.919	
-40	1.000	0.992	0.984	0.976	0.968	0.960	0.951	0.943	0.935	0.926	0.917	
-30	1.000	0.992	0.983	0.975	0.967	0.958	0.950	0.941	0.932	0.923	0.914	
-20	1.000	0.991	0.983	0.974	0.965	0.956	0.947	0.938	0.929	0.919	0.910	
-10	1.000	0.991	0.981	0.972	0.962	0.952	0.943	0.933	0.923	0.913	0.902	
-5	1.000	0.990	0.980	0.970	0.960	0.950	0.940	0.929	0.919	0.908	0.897	
0	1.000	0.990	0.979	0.968	0.958	0.947	0.936	0.925	0.913	0.902	0.890	
5	1.000	0.989	0.977	0.966	0.954	0.942	0.931	0.918	0.906	0.894	0.881	
10	1.000	0.988	0.975	0.963	0.950	0.937	0.924	0.910	0.897	0.883	0.869	

R449A	Evaporating Temp. (°C)	Pressure Drop (MPa)										
		0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225	0.25
-60	1.000	0.993	0.986	0.978	0.971	0.963	0.956	0.948	0.941	0.933	0.925	
-50	1.000	0.993	0.985	0.978	0.970	0.963	0.955	0.948	0.940	0.932	0.924	
-40	1.000	0.992	0.985	0.977	0.970	0.962	0.954	0.946	0.938	0.930	0.922	
-30	1.000	0.992	0.984	0.976	0.969	0.960	0.952	0.944	0.936	0.928	0.919	
-20	1.000	0.992	0.984	0.975	0.967	0.958	0.950	0.941	0.932	0.923	0.915	
-10	1.000	0.991	0.982	0.973	0.964	0.955	0.945	0.936	0.927	0.917	0.907	
-5	1.000	0.991	0.981	0.972	0.962	0.952	0.942	0.933	0.922	0.912	0.902	
0	1.000	0.990	0.980	0.970	0.960	0.949	0.939	0.928	0.917	0.906	0.895	
5	1.000	0.989	0.978	0.967	0.956	0.945	0.934	0.922	0.910	0.899	0.887	
10	1.000	0.988	0.976	0.964	0.952	0.939	0.927	0.914	0.901	0.888	0.875	

## Correction Factor for Supercooling

Correction factors shown here indicate changes in capacity depending on the degree of supercooling caused by low-stage side high-pressure solution refrigerant in the two-stage compression-type refrigerating device, and heat exchange attachment device, etc. For devices with a significant degree of supercooling, the figure shown in the capacity table multiplied by the correction factor shown in the table below is the capacity of the expansion valve.

R134a

Condensing Temp (°C)	Sub-cooling ΔT							
	0	10	20	30	40	50	60	70
0	1.00	1.10	1.20	1.30	-	-	-	-
10	1.00	1.11	1.22	1.33	1.45	-	-	-
20	1.00	1.12	1.25	1.37	1.50	1.62	-	-
30	1.00	1.14	1.28	1.42	1.56	1.70	1.85	-
38	1.00	1.15	1.31	1.47	1.63	1.79	1.95	2.11
40	1.00	1.16	1.32	1.48	1.65	1.81	1.98	2.14
50	1.00	1.19	1.38	1.57	1.76	1.96	2.15	2.35
60	1.00	1.23	1.46	1.70	1.93	2.17	2.41	2.65

R404A

Condensing Temp (°C)	Sub-cooling ΔT							
	0	10	20	30	40	50	60	70
0	1.00	1.13	1.26	1.39	-	-	-	-
10	1.00	1.15	1.29	1.44	1.59	-	-	-
20	1.00	1.17	1.34	1.51	1.69	1.86	-	-
30	1.00	1.20	1.41	1.62	1.82	2.03	2.24	-
38	1.00	1.24	1.49	1.73	1.98	2.23	2.48	2.73
40	1.00	1.26	1.51	1.77	2.03	2.29	2.55	2.82
50	1.00	1.35	1.70	2.04	2.39	2.74	3.09	3.45
60	1.00	1.56	2.11	2.65	3.19	3.74	4.28	4.84

R407C

Condensing Temp (°C)	Sub-cooling ΔT							
	0	10	20	30	40	50	60	70
0	1.00	1.10	1.21	1.31	-	-	-	-
10	1.00	1.11	1.23	1.34	1.46	-	-	-
20	1.00	1.13	1.26	1.38	1.51	1.65	-	-
30	1.00	1.15	1.29	1.44	1.59	1.73	1.88	-
38	1.00	1.16	1.33	1.49	1.66	1.83	2.00	2.17
40	1.00	1.17	1.34	1.51	1.68	1.86	2.03	2.21
50	1.00	1.21	1.41	1.62	1.82	2.03	2.24	2.45
60	1.00	1.26	1.53	1.79	2.05	2.31	2.57	2.83

R410A

Condensing Temp (°C)	Sub-cooling ΔT							
	0	10	20	30	40	50	60	70
0	1.00	1.11	1.21	1.32	-	-	-	-
10	1.00	1.12	1.24	1.36	1.48	-	-	-
20	1.00	1.14	1.27	1.41	1.54	1.68	-	-
30	1.00	1.16	1.32	1.47	1.63	1.79	1.94	-
38	1.00	1.18	1.36	1.54	1.72	1.90	2.08	2.27
40	1.00	1.19	1.38	1.57	1.75	1.94	2.13	2.32
50	1.00	1.25	1.48	1.72	1.95	2.18	2.42	2.65
60	1.00	1.36	1.70	2.02	2.34	2.66	2.98	3.29

R448A

Condensing Temp (°C)	Sub-cooling ΔT							
	0	10	20	30	40	50	60	70
0	1.00	1.11	1.22	1.33	-	-	-	-
10	1.00	1.12	1.24	1.36	1.49	-	-	-
20	1.00	1.14	1.27	1.41	1.55	1.69	-	-
30	1.00	1.16	1.32	1.47	1.63	1.79	1.96	-
38	1.00	1.19	1.37	1.56	1.75	1.94	2.13	2.32
40	1.00	1.23	1.46	1.69	1.92	2.15	2.39	2.62
50	1.00	1.31	1.61	1.91	2.21	2.52	2.82	3.12
60	1.00	1.48	1.93	2.38	2.83	3.27	3.72	4.17

R449A

Condensing Temp (°C)	Sub-cooling ΔT							
	0	10	20	30	40	50	60	70
0	1.00	1.11	1.22	1.33	-	-	-	-
10	1.00	1.12	1.24	1.37	1.49	-	-	-
20	1.00	1.14	1.28	1.41	1.55	1.70	-	-
30	1.00	1.16	1.32	1.48	1.64	1.80	1.97	-
38	1.00	1.19	1.38	1.57	1.76	1.95	2.14	2.34
40	1.00	1.23	1.47	1.70	1.94	2.17	2.41	2.65
50	1.00	1.32	1.63	1.93	2.24	2.55	2.86	3.17
60	1.00	1.50	1.97	2.44	2.90	3.36	3.82	4.29

# AEX Capacity table

R23

Extreme low temp. <-100~-70℃> Superheat change 5℃

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}			
Type	Model		Condensing temp. (℃)			
			-20	-30	-40	-50
AEX-	2333BCZ	-70	0.32 {1.13}	0.30 {1.05}	0.26 {0.93}	0.22 {0.77}
		-75	0.26 {0.92}	0.24 {0.86}	0.22 {0.78}	0.18 {0.65}
		-80	0.22 {0.79}	0.22 {0.76}	0.20 {0.69}	0.17 {0.59}
		-85	0.20 {0.69}	0.18 {0.65}	0.17 {0.59}	0.15 {0.52}
		-90	0.16 {0.56}	0.15 {0.53}	0.14 {0.49}	0.12 {0.43}
		-95	0.14 {0.49}	0.13 {0.45}	0.12 {0.42}	0.11 {0.37}
		-100	0.12 {0.41}	0.11 {0.38}	0.10 {0.35}	0.09 {0.31}
	2335BCZ 2345BCZ	-70	0.64 {2.24}	0.59 {2.09}	0.53 {1.86}	0.43 {1.52}
		-75	0.52 {1.83}	0.49 {1.72}	0.44 {1.55}	0.37 {1.30}
		-80	0.45 {1.58}	0.43 {1.50}	0.39 {1.36}	0.33 {1.17}
		-85	0.39 {1.37}	0.37 {1.29}	0.34 {1.19}	0.29 {1.03}
		-90	0.32 {1.12}	0.30 {1.06}	0.28 {0.97}	0.24 {0.85}
		-95	0.28 {0.97}	0.26 {0.91}	0.24 {0.84}	0.21 {0.73}
	2348BCZ	-70	0.94 {3.30}	0.88 {3.09}	0.78 {2.74}	0.64 {2.26}
		-75	0.79 {2.79}	0.75 {2.62}	0.67 {2.35}	0.57 {1.99}
		-80	0.70 {2.45}	0.66 {2.31}	0.60 {2.10}	0.53 {1.85}
		-85	0.60 {2.10}	0.57 {1.99}	0.51 {1.81}	0.45 {1.58}
		-90	0.50 {1.76}	0.47 {1.66}	0.43 {1.51}	0.38 {1.34}
		-95	0.43 {1.51}	0.41 {1.43}	0.37 {1.30}	0.33 {1.15}
		-100	0.35 {1.22}	0.32 {1.14}	0.30 {1.05}	0.26 {0.92}
	2341BCZ	-70	1.40 {4.93}	1.31 {4.62}	1.16 {4.09}	0.96 {3.36}
		-75	1.19 {4.19}	1.12 {3.93}	1.00 {3.53}	0.85 {2.99}
		-80	1.04 {3.66}	0.98 {3.45}	0.89 {3.13}	0.77 {2.70}
		-85	0.87 {3.06}	0.82 {2.90}	0.75 {2.64}	0.65 {2.30}
		-90	0.73 {2.55}	0.69 {2.41}	0.63 {2.20}	0.55 {1.93}
		-95	0.63 {2.21}	0.59 {2.09}	0.55 {1.92}	0.48 {1.69}
		-100	0.53 {1.87}	0.50 {1.76}	0.46 {1.60}	0.40 {1.41}
	2342BCZ	-70	2.42 {8.51}	2.27 {7.98}	2.01 {7.07}	1.65 {5.80}
		-75	2.06 {7.23}	1.93 {6.79}	1.73 {6.10}	1.47 {5.16}
		-80	1.78 {6.27}	1.68 {5.92}	1.53 {5.37}	1.32 {4.63}
		-85	1.56 {5.50}	1.48 {5.21}	1.35 {4.76}	1.18 {4.15}
		-90	1.28 {4.51}	1.21 {4.27}	1.11 {3.91}	0.98 {3.43}
		-95	1.09 {3.83}	1.03 {3.62}	0.94 {3.30}	0.83 {2.92}
		-100	0.90 {3.15}	0.84 {2.97}	0.77 {2.71}	0.68 {2.38}
	2344BCZ 3454BCZ 4564BCZ	-70	4.10 {14.4}	3.87 {13.6}	3.41 {12.0}	2.80 {9.86}
		-75	3.50 {12.3}	3.27 {11.5}	2.96 {10.4}	2.49 {8.77}
		-80	3.04 {10.7}	2.87 {10.1}	2.61 {9.16}	2.25 {7.91}
		-85	2.60 {9.13}	2.46 {8.64}	2.24 {7.87}	1.95 {6.87}
		-90	2.18 {7.65}	2.06 {7.24}	1.89 {6.63}	1.66 {5.83}
		-95	1.85 {6.50}	1.75 {6.14}	1.60 {5.62}	1.41 {4.95}
	4566BCZ	-70	5.66 {19.9}	5.29 {18.6}	4.69 {16.5}	3.87 {13.6}
		-75	4.81 {16.9}	4.49 {15.8}	4.04 {14.2}	3.44 {12.1}
-80		4.18 {14.7}	3.92 {13.8}	3.58 {12.6}	3.07 {10.8}	
-85		3.58 {12.6}	3.38 {11.9}	3.07 {10.8}	2.69 {9.45}	
-90		2.99 {10.5}	2.84 {9.99}	2.60 {9.13}	2.28 {8.02}	
-95		2.53 {8.90}	2.39 {8.41}	2.19 {7.69}	1.93 {6.78}	
-100		2.06 {7.23}	1.93 {6.80}	1.77 {6.21}	1.56 {5.47}	
4568BCZ	-70	7.54 {26.5}	7.05 {24.8}	6.26 {22.0}	5.12 {18.0}	
	-75	6.37 {22.4}	5.97 {21.0}	5.40 {19.0}	4.55 {16.0}	
	-80	5.60 {19.7}	5.26 {18.5}	4.75 {16.7}	4.10 {14.4}	
	-85	4.75 {16.7}	4.49 {15.8}	4.10 {14.4}	3.58 {12.6}	
	-90	4.01 {14.1}	3.78 {13.3}	3.44 {12.1}	3.04 {10.7}	
	-95	3.33 {11.7}	3.13 {11.0}	2.87 {10.1}	2.53 {8.91}	
	-100	2.82 {9.90}	2.65 {9.31}	2.41 {8.49}	2.13 {7.48}	

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}			
Type	Model		Condensing temp. (℃)			
			25	38	50	60
AEX-	2333BM	10	0.35 {1.22}	0.44 {1.54}	0.48 {1.68}	0.48 {1.68}
		0	0.34 {1.19}	0.39 {1.36}	0.40 {1.42}	0.40 {1.39}
		-5	0.32 {1.14}	0.36 {1.27}	0.37 {1.30}	0.36 {1.27}
		-10	0.31 {1.08}	0.34 {1.18}	0.34 {1.21}	0.33 {1.16}
		-20	0.25 {0.89}	0.27 {0.94}	0.27 {0.94}	0.26 {0.90}
		-30	0.17 {0.61}	0.18 {0.64}	0.18 {0.63}	0.17 {0.60}
	2335BM 2345BM	10	0.69 {2.43}	0.88 {3.08}	0.95 {3.35}	0.95 {3.35}
		0	0.67 {2.37}	0.77 {2.72}	0.80 {2.83}	0.79 {2.78}
		-5	0.65 {2.28}	0.72 {2.53}	0.74 {2.60}	0.72 {2.53}
		-10	0.61 {2.16}	0.67 {2.36}	0.69 {2.41}	0.66 {2.31}
		-20	0.50 {1.77}	0.53 {1.88}	0.53 {1.88}	0.51 {1.79}
		-30	0.35 {1.22}	0.36 {1.27}	0.36 {1.26}	0.34 {1.20}
	2348BM	10	1.04 {3.66}	1.32 {4.64}	1.43 {5.03}	1.44 {5.05}
		0	1.02 {3.60}	1.17 {4.13}	1.22 {4.30}	1.20 {4.22}
		-5	0.99 {3.47}	1.10 {3.87}	1.13 {3.98}	1.10 {3.87}
		-10	0.93 {3.28}	1.02 {3.58}	1.04 {3.64}	1.00 {3.52}
		-20	0.76 {2.66}	0.81 {2.84}	0.81 {2.84}	0.77 {2.72}
		-30	0.61 {2.15}	0.64 {2.26}	0.63 {2.23}	0.60 {2.12}
	2341BM	10	1.49 {5.23}	1.89 {6.63}	2.04 {7.19}	2.05 {7.21}
		0	1.42 {5.00}	1.62 {5.71}	1.69 {5.95}	1.66 {5.85}
		-5	1.35 {4.73}	1.50 {5.28}	1.54 {5.41}	1.50 {5.28}
		-10	1.25 {4.41}	1.37 {4.81}	1.39 {4.90}	1.35 {4.73}
		-20	1.04 {3.65}	1.10 {3.88}	1.10 {3.88}	1.06 {3.72}
		-30	0.70 {2.45}	0.73 {2.57}	0.73 {2.55}	0.69 {2.42}
	2342BM	10	2.54 {8.93}	3.21 {11.3}	3.50 {12.3}	3.50 {12.3}
		0	2.46 {8.65}	2.82 {9.90}	2.93 {10.3}	2.87 {10.1}
		-5	2.33 {8.21}	2.60 {9.14}	2.67 {9.40}	2.60 {9.15}
		-10	2.18 {7.66}	2.38 {8.37}	2.42 {8.51}	2.34 {8.24}
		-20	1.76 {6.20}	1.87 {6.59}	1.87 {6.59}	1.79 {6.31}
		-30	1.20 {4.21}	1.25 {4.41}	1.24 {4.37}	1.18 {4.15}
	2344BM 3454BM 4564BM	10	4.27 {15.0}	5.40 {19.0}	5.86 {20.6}	5.86 {20.6}
		0	4.10 {14.4}	4.69 {16.5}	4.89 {17.2}	4.86 {17.1}
		-5	3.98 {14.0}	4.41 {15.5}	4.52 {15.9}	4.41 {15.5}
		-10	3.70 {13.0}	4.04 {14.2}	4.10 {14.4}	4.01 {14.1}
		-20	2.99 {10.5}	3.19 {11.2}	3.19 {11.2}	3.04 {10.7}
		-30	2.01 {7.08}	2.11 {7.42}	2.09 {7.35}	1.99 {6.99}
	4566BM	10	6.97 {24.5}	8.87 {31.2}	9.58 {33.7}	9.61 {33.8}
		0	6.85 {24.1}	7.85 {27.6}	8.16 {28.7}	8.05 {28.3}
		-5	6.48 {22.8}	7.20 {25.3}	7.37 {25.9}	7.20 {25.3}
		-10	5.97 {21.0}	6.57 {23.1}	6.65 {23.4}	6.46 {22.7}
		-20	5.23 {18.4}	5.60 {19.7}	5.60 {19.7}	5.32 {18.7}
		-30	3.27 {11.5}	3.44 {12.1}	3.41 {12.0}	3.24 {11.4}
4568BM	10	8.76 {30.8}	10.5 {36.9}	11.4 {40.0}	11.4 {40.1}	
	0	8.76 {30.8}	10.0 {35.3}	10.4 {36.7}	10.3 {36.2}	
	-5	8.59 {30.2}	9.58 {33.7}	9.87 {34.7}	9.58 {33.7}	
	-10	8.36 {29.4}	9.13 {32.1}	9.30 {32.7}	8.96 {31.5}	
	-20	7.14 {25.1}	7.59 {26.7}	7.59 {26.7}	7.28 {25.6}	
	-30	5.35 {18.8}	5.63 {19.8}	5.60 {19.7}	5.29 {18.6}	

R404A

Standard &lt;-40~10℃&gt; Superheat change 5℃

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}			
Type	Model		Condensing temp. (℃)			
			25	38	50	60
AEX-	2333BU	10	0.37 {1.31}	0.44 {1.54}	0.41 {1.43}	0.32 {1.14}
		0	0.37 {1.30}	0.38 {1.34}	0.34 {1.19}	0.26 {0.91}
		-5	0.34 {1.20}	0.34 {1.20}	0.31 {1.10}	0.22 {0.79}
		-10	0.31 {1.09}	0.30 {1.06}	0.26 {0.91}	0.19 {0.67}
		-20	0.24 {0.86}	0.23 {0.80}	0.19 {0.66}	0.13 {0.47}
		-30	0.18 {0.62}	0.16 {0.57}	-	-
		-40	0.12 {0.42}	0.11 {0.37}	-	-
	2335BU 2345BU	10	0.74 {2.61}	0.87 {3.07}	0.81 {2.84}	0.65 {2.27}
		0	0.74 {2.60}	0.76 {2.67}	0.67 {2.37}	0.51 {1.80}
		-5	0.68 {2.39}	0.68 {2.39}	0.62 {2.18}	0.45 {1.57}
		-10	0.62 {2.17}	0.60 {2.11}	0.51 {1.80}	0.38 {1.33}
		-20	0.48 {1.70}	0.46 {1.60}	0.37 {1.30}	0.26 {0.93}
		-30	0.35 {1.23}	0.32 {1.13}	-	-
		-40	0.24 {0.84}	0.21 {0.75}	-	-
	2348BU	10	1.17 {4.11}	1.37 {4.80}	1.26 {4.44}	1.00 {3.53}
		0	1.14 {4.02}	1.18 {4.16}	1.04 {3.65}	0.80 {2.81}
		-5	1.04 {3.65}	1.05 {3.69}	0.91 {3.19}	0.69 {2.41}
		-10	0.94 {3.29}	0.92 {3.22}	0.78 {2.74}	0.57 {2.02}
		-20	0.76 {2.67}	0.71 {2.50}	0.59 {2.08}	0.42 {1.48}
		-30	0.57 {2.01}	0.53 {1.85}	-	-
		-40	0.39 {1.37}	0.30 {1.07}	-	-
	2341BU	10	1.53 {5.38}	1.79 {6.29}	1.66 {5.82}	1.32 {4.64}
		0	1.48 {5.20}	1.54 {5.41}	1.35 {4.75}	1.04 {3.65}
		-5	1.38 {4.86}	1.40 {4.92}	1.21 {4.25}	0.91 {3.21}
		-10	1.29 {4.53}	1.26 {4.42}	1.07 {3.76}	0.79 {2.77}
		-20	0.98 {3.45}	0.92 {3.24}	0.76 {2.68}	0.54 {1.90}
		-30	0.70 {2.45}	0.63 {2.22}	-	-
		-40	0.50 {1.77}	0.46 {1.60}	-	-
	2342BU	10	2.76 {9.70}	3.24 {11.4}	2.99 {10.5}	2.38 {8.38}
		0	2.69 {9.46}	2.79 {9.81}	2.46 {8.66}	1.89 {6.63}
		-5	2.47 {8.70}	2.50 {8.79}	2.17 {7.62}	1.63 {5.74}
		-10	2.26 {7.94}	2.22 {7.79}	1.88 {6.61}	1.38 {4.87}
		-20	1.78 {6.27}	1.68 {5.91}	1.38 {4.86}	0.98 {3.46}
		-30	1.32 {4.64}	1.21 {4.27}	-	-
		-40	0.90 {3.16}	0.80 {2.83}	-	-
	2344BU 3454BU 4564BU	10	4.55 {16.0}	5.35 {18.8}	4.95 {17.4}	3.92 {13.8}
		0	4.46 {15.7}	4.64 {16.3}	4.10 {14.4}	3.13 {11.0}
		-5	4.12 {14.5}	4.21 {14.8}	3.61 {12.7}	2.72 {9.55}
		-10	3.78 {13.3}	3.70 {13.0}	3.13 {11.0}	2.31 {8.11}
		-20	3.01 {10.6}	2.82 {9.93}	2.33 {8.19}	1.66 {5.83}
		-30	2.18 {7.65}	1.99 {7.01}	-	-
		-40	1.51 {5.32}	1.36 {4.77}	-	-
4566BU	10	6.65 {23.4}	7.76 {27.3}	7.22 {25.4}	5.74 {20.2}	
	0	6.34 {22.3}	6.57 {23.1}	5.80 {20.4}	4.46 {15.7}	
	-5	5.94 {20.9}	5.97 {21.0}	5.18 {18.2}	3.90 {13.7}	
	-10	5.52 {19.4}	5.37 {18.9}	4.55 {16.0}	3.38 {11.9}	
	-20	4.32 {15.2}	5.20 {18.3}	3.36 {11.8}	2.37 {8.35}	
	-30	3.21 {11.3}	2.90 {10.2}	-	-	
	-40	2.28 {8.01}	2.05 {7.20}	-	-	
4568BU	10	9.10 {32.0}	10.6 {37.4}	9.87 {34.7}	7.85 {27.6}	
	0	8.79 {30.9}	9.13 {32.1}	8.05 {28.3}	6.17 {21.7}	
	-5	8.13 {28.6}	8.39 {29.5}	7.14 {25.1}	5.40 {19.0}	
	-10	7.51 {26.4}	7.34 {25.8}	6.23 {21.9}	4.64 {16.3}	
	-20	5.83 {20.5}	5.46 {19.2}	4.49 {15.8}	3.19 {11.2}	
	-30	4.41 {15.5}	4.01 {14.1}	-	-	
	-40	3.01 {10.6}	2.72 {9.55}	-	-	

