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℃.

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

	Pressure Drop (MPa)										
Evaporating Temp. (℃)	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

R404A

	Pressure Drop (MPa)										
Evaporating Temp. (℃)	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

R407C

	Pressure Drop (MPa)										
Evaporating Temp. (℃)	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

R410A

	Pressure Drop (MPa)										
Evaporating Temp. (℃)	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

R448A

	Pressure Drop (MPa)										
Evaporating Temp. (℃)	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	0.992	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

R449A

	Pressure Drop (MPa)										
Evaporating Temp. (℃)	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 refrigerantin 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

	Sub-cooling ⊿T							
Condensing Temp (℃)	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

	Sub-cooling ⊿T							
Condensing Temp (℃)	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

	Sub-cooling ⊿T							
Condensing Temp (℃)	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

	Sub-cooling ⊿T							
Condensing Temp (℃)	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

	Sub-cooling ⊿T							
Condensing Temp (℃)	0	10	20	30	40	50	60	70
0	1.00	1.09	1.18	1.27	-	-	-	-
10	1.00	1.10	1.20	1.30	1.40	-	-	-
20	1.00	1.12	1.23	1.34	1.46	1.57	-	-
30	1.00	1.13	1.27	1.40	1.52	1.65	1.78	-
38	1.00	1.15	1.30	1.45	1.60	1.74	1.88	2.03
40	1.00	1.16	1.32	1.47	1.62	1.77	1.91	2.06
50	1.00	1.20	1.39	1.57	1.76	1.94	2.12	2.29
60	1.00	1.26	1.51	1.75	1.99	2.22	2.45	2.67

R449A

	Sub-cooling ⊿T							
Condensing Temp (℃)	0	10	20	30	40	50	60	70
0	1.00	1.09	1.18	1.28	-	-	-	-
10	1.00	1.10	1.21	1.31	1.41	-	-	-
20	1.00	1.12	1.23	1.35	1.46	1.57	-	-
30	1.00	1.14	1.27	1.40	1.53	1.66	1.79	-
38	1.00	1.16	1.31	1.46	1.60	1.75	1.89	2.04
40	1.00	1.16	1.32	1.47	1.63	1.78	1.93	2.07
50	1.00	1.20	1.39	1.58	1.77	1.95	2.13	2.31
60	1.00	1.27	1.52	1.77	2.01	2.25	2.48	2.71

SCX Capacity table

R134a
Charge type : C <-30～10℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0545BMC 0545DMC	10	3.24 {11.4}	4.35 {15.3}	4.92 {17.3}	5.01 {17.6}	5.32 {18.7}
		5	3.64 {12.8}	4.46 {15.7}	4.86 {17.1}	4.95 {17.4}	5.15 {18.1}
		0	3.84 {13.5}	4.49 {15.8}	4.81 {16.9}	4.86 {17.1}	5.01 {17.6}
		-5	4.01 {14.1}	4.52 {15.9}	4.75 {16.7}	4.81 {16.9}	4.86 {17.1}
		-10	3.98 {14.0}	4.38 {15.4}	4.58 {16.1}	4.61 {16.2}	4.64 {16.3}
		-20	3.73 {13.1}	3.98 {14.0}	4.10 {14.4}	4.12 {14.5}	4.10 {14.4}
		-30	2.96 {10.4}	3.13 {11.0}	3.19 {11.2}	3.19 {11.2}	3.16 {11.1}
	0745BMC 0745DMC	10	4.52 {15.9}	6.06 {21.3}	6.83 {24.0}	6.97 {24.5}	7.37 {25.9}
		5	5.06 {17.8}	6.20 {21.8}	6.77 {23.8}	6.88 {24.2}	7.17 {25.2}
		0	5.35 {18.8}	6.26 {22.0}	6.68 {23.5}	6.77 {23.8}	6.97 {24.5}
		-5	5.55 {19.5}	6.29 {22.1}	6.63 {23.3}	6.68 {23.5}	6.77 {23.8}
		-10	5.55 {19.5}	6.11 {21.5}	6.37 {22.4}	6.43 {22.6}	6.46 {22.7}
		-20	5.18 {18.2}	5.55 {19.5}	5.72 {20.1}	5.72 {20.1}	5.69 {20.0}
		-30	4.12 {14.5}	4.38 {15.4}	4.44 {15.6}	4.46 {15.7}	4.38 {15.4}
	0857DMC 0871DMC	10	5.66 {19.9}	7.62 {26.8}	8.56 {30.1}	8.73 {30.7}	9.27 {32.6}
		5	6.34 {22.3}	7.79 {27.4}	8.53 {30.0}	8.65 {30.4}	9.02 {31.7}
		0	6.74 {23.7}	7.85 {27.6}	8.42 {29.6}	8.50 {29.9}	8.73 {30.7}
		-5	7.00 {24.6}	7.88 {27.7}	8.33 {29.3}	8.39 {29.5}	8.53 {30.0}
		-10	6.97 {24.5}	7.68 {27.0}	8.02 {28.2}	8.08 {28.4}	8.11 {28.5}
		-20	6.51 {22.9}	6.97 {24.5}	7.17 {25.2}	7.20 {25.3}	7.14 {25.1}
		-30	5.20 {18.3}	5.49 {19.3}	5.60 {19.7}	5.60 {19.7}	5.52 {19.4}
	1057DMC 1071DMC	10	6.80 {23.9}	9.13 {32.1}	10.3 {36.1}	10.5 {36.9}	11.1 {39.1}
		5	7.62 {26.8}	9.36 {32.9}	10.2 {35.9}	10.4 {36.5}	10.8 {38.0}
		0	8.08 {28.4}	9.41 {33.1}	10.1 {35.5}	10.2 {35.9}	10.5 {36.8}
		-5	8.36 {29.4}	9.47 {33.3}	9.98 {35.1}	10.1 {35.4}	10.2 {35.9}
		-10	8.33 {29.3}	9.21 {32.4}	9.61 {33.8}	9.67 {34.0}	9.73 {34.2}
		-20	7.79 {27.4}	8.36 {29.4}	8.62 {30.3}	8.62 {30.3}	8.56 {30.1}
		-30	6.23 {21.9}	6.57 {23.1}	6.71 {23.6}	6.71 {23.6}	6.60 {23.2}
	1257DMC 1271DMC	10	8.05 {28.3}	10.8 {38.1}	12.2 {42.8}	12.4 {43.7}	13.2 {46.3}
		5	9.02 {31.7}	11.1 {38.9}	12.1 {42.5}	12.3 {43.2}	12.8 {45.0}
		0	9.56 {33.6}	11.2 {39.2}	11.9 {42.0}	12.1 {42.5}	12.4 {43.6}
		-5	9.93 {34.9}	11.2 {39.4}	11.8 {41.5}	11.9 {41.9}	12.1 {42.5}
		-10	9.87 {34.7}	10.9 {38.3}	11.4 {40.0}	11.4 {40.2}	11.5 {40.5}
		-20	9.24 {32.5}	9.90 {34.8}	10.2 {35.8}	10.2 {35.9}	10.2 {35.7}
		-30	7.37 {25.9}	7.79 {27.4}	7.93 {27.9}	7.93 {27.9}	7.82 {27.5}

R404A
Charge type : SA <−40～10℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0445BUSA 0445DUSA	10	2.66 {9.34}	3.36 {11.8}	3.53 {12.4}	3.53 {12.4}	3.27 {11.5}
		5	3.64 {12.8}	4.21 {14.8}	4.29 {15.1}	4.27 {15.0}	3.87 {13.6}
		0	3.64 {12.8}	3.98 {14.0}	3.98 {14.0}	3.95 {13.9}	3.53 {12.4}
		-5	3.53 {12.4}	3.73 {13.1}	3.64 {12.8}	3.61 {12.7}	3.16 {11.1}
		-10	3.30 {11.6}	3.41 {12.0}	3.30 {11.6}	3.24 {11.4}	2.82 {9.92}
		-20	2.79 {9.82}	2.78 {9.79}	2.64 {9.30}	2.59 {9.10}	2.19 {7.69}
		-30	2.25 {7.91}	2.19 {7.71}	2.05 {7.21}	2.00 {7.03}	1.65 {5.81}
		-40	1.75 {6.16}	1.68 {5.92}	1.55 {5.46}	1.51 {5.31}	1.22 {4.28}
	0545BUSA 0545DUSA	10	3.70 {13.0}	4.66 {16.4}	4.92 {17.3}	4.92 {17.3}	4.55 {16.0}
		5	5.06 {17.8}	5.83 {20.5}	5.94 {20.9}	5.92 {20.8}	5.37 {18.9}
		0	5.06 {17.8}	5.55 {19.5}	5.55 {19.5}	5.49 {19.3}	4.89 {17.2}
		-5	4.89 {17.2}	5.18 {18.2}	5.09 {17.9}	5.01 {17.6}	4.41 {15.5}
		-10	4.61 {16.2}	4.75 {16.7}	4.61 {16.2}	4.52 {15.9}	3.92 {13.8}
		-20	3.90 {13.7}	3.87 {13.6}	3.70 {13.0}	3.61 {12.7}	3.04 {10.7}
		-30	3.13 {11.0}	3.04 {10.7}	2.84 {10.0}	2.79 {9.80}	2.30 {8.09}
		-40	2.44 {8.59}	2.34 {8.24}	2.16 {7.61}	2.10 {7.39}	1.69 {5.96}
	0657DUSA 0671DUSA	10	4.64 {16.3}	5.86 {20.6}	6.17 {21.7}	6.17 {21.7}	5.72 {20.1}
		5	6.34 {22.3}	7.34 {25.8}	7.48 {26.3}	7.42 {26.1}	6.77 {23.8}
		0	6.37 {22.4}	6.97 {24.5}	6.97 {24.5}	6.88 {24.2}	6.14 {21.6}
		-5	6.14 {21.6}	6.48 {22.8}	6.37 {22.4}	6.29 {22.1}	5.52 {19.4}
		-10	5.80 {20.4}	5.97 {21.0}	5.80 {20.4}	5.69 {20.0}	4.95 {17.4}
		-20	4.89 {17.2}	4.86 {17.1}	4.64 {16.3}	4.52 {15.9}	3.84 {13.5}
		-30	3.92 {13.8}	3.84 {13.5}	3.58 {12.6}	3.50 {12.3}	2.90 {10.2}
		-40	3.07 {10.8}	2.96 {10.4}	2.72 {9.58}	2.64 {9.30}	2.13 {7.50}
	0857DUSA 0871DUSA	10	5.55 {19.5}	7.02 {24.7}	7.39 {26.0}	7.39 {26.0}	6.88 {24.2}
		5	7.59 {26.7}	8.79 {30.9}	8.96 {31.5}	8.93 {31.4}	8.11 {28.5}
		0	7.62 {26.8}	8.36 {29.4}	8.33 {29.3}	8.25 {29.0}	7.37 {25.9}
		-5	7.37 {25.9}	7.79 {27.4}	7.65 {26.9}	7.54 {26.5}	6.63 {23.3}
		-10	6.94 {24.4}	7.17 {25.2}	6.94 {24.4}	6.83 {24.0}	5.92 {20.8}
		-20	5.86 {20.6}	5.86 {20.6}	5.55 {19.5}	5.43 {19.1}	4.58 {16.1}
		-30	4.72 {16.6}	4.61 {16.2}	4.32 {15.2}	4.21 {14.8}	3.47 {12.2}
		-40	3.67 {12.9}	3.53 {12.4}	3.27 {11.5}	3.19 {11.2}	2.56 {8.99}
	0957DUSA 0971DUSA	10	6.60 {23.2}	8.33 {29.3}	8.79 {30.9}	8.76 {30.8}	8.13 {28.6}
		5	9.02 {31.7}	10.4 {36.6}	10.6 {37.4}	10.6 {37.1}	9.58 {33.7}
		0	9.02 {31.7}	9.90 {34.8}	9.87 {34.7}	9.78 {34.4}	8.73 {30.7}
		-5	8.73 {30.7}	9.21 {32.4}	9.07 {31.9}	8.93 {31.4}	7.85 {27.6}
		-10	8.22 {28.9}	8.47 {29.8}	8.22 {28.9}	8.08 {28.4}	7.00 {24.6}
		-20	6.94 {24.4}	6.91 {24.3}	6.57 {23.1}	6.43 {22.6}	5.43 {19.1}
		-30	5.57 {19.6}	5.46 {19.2}	5.09 {17.9}	4.98 {17.5}	4.10 {14.4}
		-40	4.35 {15.3}	4.18 {14.7}	3.87 {13.6}	3.75 {13.2}	3.01 {10.6}

R404A
Charge type : C <-40～0℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0445BUC 0445DUC	0	3.36 {11.8}	3.67 {12.9}	3.67 {12.9}	3.64 {12.8}	3.24 {11.4}
		-5	3.53 {12.4}	3.73 {13.1}	3.64 {12.8}	3.61 {12.7}	3.16 {11.1}
		-10	3.55 {12.5}	3.67 {12.9}	3.55 {12.5}	3.50 {12.3}	3.01 {10.6}
		-20	3.27 {11.5}	3.27 {11.5}	3.10 {10.9}	3.04 {10.7}	2.57 {9.02}
		-30	2.69 {9.45}	2.62 {9.21}	2.45 {8.62}	2.39 {8.40}	1.97 {6.94}
		-40	1.95 {6.87}	1.88 {6.60}	1.73 {6.09}	1.68 {5.92}	1.36 {4.77}
	0545BUC 0545DUC	0	4.66 {16.4}	5.12 {18.0}	5.09 {17.9}	5.06 {17.8}	4.49 {15.8}
		-5	4.89 {17.2}	5.18 {18.2}	5.09 {17.9}	5.01 {17.6}	4.41 {15.5}
		-10	4.95 {17.4}	5.09 {17.9}	4.95 {17.4}	4.86 {17.1}	4.21 {14.8}
		-20	4.55 {16.0}	4.55 {16.0}	4.32 {15.2}	4.24 {14.9}	3.55 {12.5}
		-30	3.75 {13.2}	3.64 {12.8}	3.41 {12.0}	3.33 {11.7}	2.75 {9.66}
		-40	2.72 {9.57}	2.61 {9.19}	2.41 {8.49}	2.35 {8.25}	1.89 {6.65}
	0657DUC 0671DUC	0	5.86 {20.6}	6.43 {22.6}	6.40 {22.5}	6.34 {22.3}	5.66 {19.9}
		-5	6.14 {21.6}	6.48 {22.8}	6.37 {22.4}	6.29 {22.1}	5.52 {19.4}
		-10	6.20 {21.8}	6.40 {22.5}	6.20 {21.8}	6.11 {21.5}	5.29 {18.6}
		-20	5.72 {20.1}	5.72 {20.1}	5.43 {19.1}	5.32 {18.7}	4.49 {15.8}
		-30	4.69 {16.5}	4.58 {16.1}	4.29 {15.1}	4.18 {14.7}	3.44 {12.1}
		-40	3.41 {12.0}	3.30 {11.6}	3.04 {10.7}	2.96 {10.4}	2.38 {8.36}
	0857DUC 0871DUC	0	7.02 {24.7}	7.71 {27.1}	7.68 {27.0}	7.59 {26.7}	6.80 {23.9}
		-5	7.37 {25.9}	7.79 {27.4}	7.65 {26.9}	7.54 {26.5}	6.63 {23.3}
		-10	7.45 {26.2}	7.68 {27.0}	7.45 {26.2}	7.31 {25.7}	6.34 {22.3}
		-20	6.85 {24.1}	6.85 {24.1}	6.51 {22.9}	6.37 {22.4}	5.37 {18.9}
		-30	5.63 {19.8}	5.49 {19.3}	5.15 {18.1}	5.01 {17.6}	4.15 {14.6}
		-40	4.10 {14.4}	3.95 {13.9}	3.64 {12.8}	3.53 {12.4}	2.84 {10.0}
	0957DUC 0971DUC	0	8.30 {29.2}	9.10 {32.0}	9.10 {32.0}	9.02 {31.7}	8.05 {28.3}
		-5	8.73 {30.7}	9.21 {32.4}	9.07 {31.9}	8.93 {31.4}	7.85 {27.6}
		-10	8.82 {31.0}	9.07 {31.9}	8.82 {31.0}	8.67 {30.5}	7.51 {26.4}
		-20	8.13 {28.6}	8.11 {28.5}	7.71 {27.1}	7.54 {26.5}	6.37 {22.4}
		-30	6.68 {23.5}	6.51 {22.9}	6.09 {21.4}	5.94 {20.9}	4.89 {17.2}
		-40	4.86 {17.1}	4.66 {16.4}	4.29 {15.1}	4.18 {14.7}	3.38 {11.9}

R404A
Charge type : SL <-60～-25℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0445BUSL 0445DUSL	-25	1.56 {5.47}	1.53 {5.39}	1.44 {5.08}	1.41 {4.96}	1.18 {4.14}
		-30	2.10 {7.39}	2.05 {7.21}	1.92 {6.74}	1.87 {6.57}	1.54 {5.43}
		-40	1.57 {5.53}	1.51 {5.31}	1.40 {4.91}	1.36 {4.77}	1.09 {3.84}
		-50	1.15 {4.03}	1.09 {3.82}	0.99 {3.49}	0.96 {3.38}	0.76 {2.66}
		-60	0.82 {2.88}	0.77 {2.72}	0.70 {2.47}	0.68 {2.38}	0.52 {1.83}
	0545BUSL 0545DUSL	-25	2.17 {7.62}	2.13 {7.50}	2.01 {7.07}	1.96 {6.90}	1.64 {5.77}
		-30	2.93 {10.3}	2.84 {10.0}	2.67 {9.39}	2.61 {9.16}	2.15 {7.56}
		-40	2.19 {7.71}	2.10 {7.40}	1.95 {6.84}	1.89 {6.64}	1.52 {5.35}
		-50	1.60 {5.61}	1.52 {5.33}	1.38 {4.87}	1.34 {4.72}	1.06 {3.71}
		-60	1.14 {4.02}	1.08 {3.79}	0.98 {3.44}	0.94 {3.32}	0.73 {2.55}
	0657DUSL 0671DUSL	-25	2.72 {9.58}	2.68 {9.43}	2.53 {8.89}	2.47 {8.68}	2.06 {7.25}
		-30	3.67 {12.9}	3.58 {12.6}	3.36 {11.8}	3.27 {11.5}	2.70 {9.51}
		-40	2.76 {9.70}	2.65 {9.31}	2.45 {8.60}	2.37 {8.35}	1.92 {6.74}
		-50	2.01 {7.06}	1.91 {6.71}	1.74 {6.13}	1.69 {5.93}	1.33 {4.67}
		-60	1.44 {5.06}	1.36 {4.77}	1.23 {4.33}	1.19 {4.18}	0.91 {3.20}
	0857DUSL 0871DUSL	-25	3.27 {11.5}	3.21 {11.3}	3.04 {10.7}	2.96 {10.4}	2.47 {8.70}
		-30	4.41 {15.5}	4.29 {15.1}	4.04 {14.2}	3.92 {13.8}	3.24 {11.4}
		-40	3.30 {11.6}	3.19 {11.2}	2.93 {10.3}	2.84 {10.0}	2.30 {8.08}
		-50	2.41 {8.47}	2.29 {8.04}	2.09 {7.35}	2.02 {7.11}	1.59 {5.60}
		-60	1.73 {6.07}	1.63 {5.73}	1.48 {5.19}	1.42 {5.01}	1.09 {3.84}
	0957DUSL 0971DUSL	-25	3.87 {13.6}	3.81 {13.4}	3.58 {12.6}	3.50 {12.3}	2.93 {10.3}
		-30	5.23 {18.4}	5.09 {17.9}	4.75 {16.7}	4.64 {16.3}	3.84 {13.5}
		-40	3.90 {13.7}	3.75 {13.2}	3.47 {12.2}	3.36 {11.8}	2.72 {9.55}
		-50	2.84 {10.0}	2.70 {9.50}	2.47 {8.68}	2.39 {8.41}	1.88 {6.62}
		-60	2.04 {7.17}	1.92 {6.76}	1.74 {6.13}	1.68 {5.92}	1.29 {4.54}

R407C

Charge type : SA <-40~10℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0645BHSA 0645DHSA	10	4.07 {14.3}	5.40 {19.0}	6.03 {21.2}	6.11 {21.5}	6.40 {22.5}
		5	5.20 {18.3}	6.31 {22.2}	6.85 {24.1}	6.91 {24.3}	7.08 {24.9}
		0	5.23 {18.4}	6.06 {21.3}	6.43 {22.6}	6.46 {22.7}	6.54 {23.0}
		-5	5.09 {17.9}	5.69 {20.0}	5.94 {20.9}	5.97 {21.0}	6.00 {21.1}
		-10	4.83 {17.0}	5.29 {18.6}	5.46 {19.2}	5.49 {19.3}	5.43 {19.1}
		-20	4.15 {14.6}	4.41 {15.5}	4.49 {15.8}	4.49 {15.8}	4.41 {15.5}
		-30	3.44 {12.1}	3.58 {12.6}	3.61 {12.7}	3.61 {12.7}	3.50 {12.3}
		-40	2.75 {9.66}	2.84 {10.0}	2.84 {10,0}	2.84 {10.0}	2.76 {9.69}
	0845BHSA 0845DHSA	10	5.66 {19.9}	7.51 {26.4}	8.36 {29.4}	8.50 {29.9}	8.87 {31.2}
		5	7.25 {25.5}	8.79 {30.9}	9.50 {33.4}	9.61 {33.8}	9.84 {34.6}
		0	7.28 {25.6}	8.42 {29.6}	8.93 {31.4}	8.99 {31.6}	9.10 {32.0}
		-5	7.11 {25.0}	7.93 {27.9}	8.28 {29.1}	8.33 {29.3}	8.33 {29.3}
		-10	6.74 {23.7}	7.34 {25.8}	7.59 {26.7}	7.62 {26.8}	7.56 {26.6}
		-20	5.80 {20.4}	6.14 {21.6}	6.26 {22.0}	6.26 {22.0}	6.14 {21.6}
		-30	4.78 {16.8}	4.98 {17.5}	5.03 {17.7}	5.01 {17.6}	4.86 {17.1}
		-40	3.84 {13.5}	3.95 {13.9}	3.98 {14.0}	3.95 {13.9}	3.84 {13.5}
	1057DHSA 1071DHSA	10	7.11 {25.0}	9.44 {33.2}	10.5 {37.0}	10.7 {37.6}	11.2 {39.2}
		5	9.10 {32.0}	11.0 {38.8}	11.9 {42.0}	12.1 {42.5}	12.4 {43.5}
		0	9.16 {32.2}	10.6 {37.2}	11.2 {39.4}	11.3 {39.7}	11.4 {40.2}
		-5	8.93 {31.4}	9.95 {35.0}	10.4 {36.6}	10.5 {36.8}	10.5 {36.8}
		-10	8.47 {29.8}	9.24 {32.5}	9.56 {33.6}	9.58 {33.7}	9.50 {33.4}
		-20	7.28 {25.6}	7.74 {27.2}	7.88 {27.7}	7.88 {27.7}	7.71 {27.1}
		-30	6.00 {21.1}	6.26 {22.0}	6.31 {22.2}	6.31 {22.2}	6.14 {21.6}
		-40	4.81 {16.9}	4.98 {17.5}	5.01 {17.6}	4.98 {17.5}	4.83 {17.0}
	1257DHSA 1271DHSA	10	8.53 {30.0}	11.3 {39.8}	12.6 {44.3}	12.8 {45.0}	13.4 {47.0}
		5	10.9 {38.3}	13.2 {46.5}	14.3 {50.4}	14.5 {50.9}	14.9 {52.2}
		0	11.0 {38.6}	12.7 {44.6}	13.5 {47.3}	13.6 {47.7}	13.7 {48.2}
		-5	10.7 {37.6}	11.9 {42.0}	12.5 {43.9}	12.5 {44.1}	12.5 {44.1}
		-10	10.2 {35.7}	11.1 {39.0}	11.5 {40.3}	11.5 {40.4}	11.4 {40.1}
		-20	8.73 {30.7}	9.27 {32.6}	9.44 {33.2}	9.44 {33.2}	9.24 {32.5}
		-30	7.20 {25.3}	7.51 {26.4}	7.59 {26.7}	7.56 {26.6}	7.34 {25.8}
		-40	5.77 {20.3}	5.97 {21.0}	6.00 {21.1}	5.97 {21.0}	5.77 {20.3}
	1457DHSA 1471DHSA	10	10.1 {35.5}	13.4 {47.2}	14.9 {52.5}	15.2 {53.4}	15.8 {55.7}
		5	12.9 {45.4}	15.7 {55.1}	17.0 {59.7}	17.2 {60.3}	17.6 {61.8}
		0	13.0 {45.7}	15.0 {52.8}	15.9 {56.0}	16.0 {56.4}	16.2 {57.1}
		-5	12.7 {44.5}	14.1 {49.7}	14.8 {52.0}	14.9 {52.2}	14.9 {52.2}
		-10	12.0 {42.3}	13.1 {46.1}	13.6 {47.7}	13.6 {47.8}	13.5 {47.4}
		-20	10.4 {36.4}	11.0 {38.5}	11.2 {39.3}	11.2 {39.2}	10.9 {38.4}
		-30	8.50 {29.9}	8.87 {31.2}	8.96 {31.5}	8.96 {31.5}	8.70 {30.6}
		-40	6.83 {24.0}	7.05 {24.8}	7.08 {24.9}	7.08 {24.9}	6.83 {24.0}

R407C

Charge type : C <-40~0℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0645BHC 0645DHC	0	4.86 {17.1}	5.60 {19.7}	5.94 {20.9}	6.00 {21.1}	6.06 {21.3}
		-5	5.09 {17.9}	5.69 {20.0}	5.94 {20.9}	5.97 {21.0}	6.00 {21.1}
		-10	5.18 {18.2}	5.63 {19.8}	5.83 {20.5}	5.83 {20.5}	5.80 {20.4}
		-20	4.86 {17.1}	5.15 {18.1}	5.26 {18.5}	5.23 {18.4}	5.15 {18.1}
		-30	4.12 {14.5}	4.29 {15.1}	4.35 {15.3}	4.32 {15.2}	4.21 {14.8}
		-40	3.16 {11.1}	3.27 {11.5}	3.30 {11.6}	3.27 {11.5}	3.16 {11.1}
	0845BHC 0845DHC	0	6.77 {23.8}	7.79 {27.4}	8.28 {29.1}	8.33 {29.3}	8.45 {29.7}
		-5	7.11 {25.0}	7.93 {27.9}	8.28 {29.1}	8.33 {29.3}	8.33 {29.3}
		-10	7.20 {25.3}	7.85 {27.6}	8.11 {28.5}	8.13 {28.6}	8.08 {28.4}
		-20	6.77 {23.8}	7.17 {25.2}	7.31 {25.7}	7.31 {25.7}	7.14 {25.1}
		-30	5.74 {20.2}	5.97 {21.0}	6.06 {21.3}	6.03 {21.2}	5.86 {20.6}
		-40	4.41 {15.5}	4.55 {16.0}	4.58 {16.1}	4.58 {16.1}	4.41 {15.5}
	1057DHC 1071DHC	0	8.50 {29.9}	9.81 {34.5}	10.4 {36.6}	10.5 {36.9}	10.6 {37.3}
		-5	8.93 {31.4}	9.95 {35.0}	10.4 {36.6}	10.5 {36.8}	10.5 {36.8}
		-10	9.04 {31.8}	9.84 {34.6}	10.2 {35.8}	10.2 {35.9}	10.1 {35.6}
		-20	8.50 {29.9}	9.02 {31.7}	9.19 {32.3}	9.19 {32.3}	8.99 {31.6}
		-30	7.22 {25.4}	7.54 {26.5}	7.59 {26.7}	7.59 {26.7}	7.37 {25.9}
		-40	5.55 {19.5}	5.72 {20.1}	5.74 {20.2}	5.74 {20.2}	5.55 {19.5}
	1257DHC 1271DHC	0	10.2 {35.8}	11.8 {41.3}	12.5 {43.9}	12.6 {44.2}	12.7 {44.7}
		-5	10.7 {37.6}	11.9 {42.0}	12.5 {43.9}	12.5 {44.1}	12.5 {44.1}
		-10	10.8 {38.1}	11.8 {41.5}	12.2 {43.0}	12.3 {43.1}	12.1 {42.7}
		-20	10.2 {35.8}	10.8 {38.0}	11.0 {38.7}	11.0 {38.7}	10.8 {37.9}
		-30	8.65 {30.4}	9.02 {31.7}	9.10 {32.0}	9.10 {32.0}	8.84 {31.1}
		-40	6.65 {23.4}	6.88 {24.2}	6.91 {24.3}	6.88 {24.2}	6.65 {23.4}
	1457DHC 1471DHC	0	12.1 {42.4}	13.9 {48.9}	14.8 {51.9}	14.9 {52.3}	15.0 {52.9}
		-5	12.7 {44.5}	14.1 {49.7}	14.8 {52.0}	14.9 {52.2}	14.9 {52.2}
		-10	12.8 {45.1}	14.0 {49.2}	14.5 {50.8}	14.5 {51.0}	14.4 {50.6}
		-20	12.1 {42.4}	12.8 {44.9}	13.0 {45.8}	13.0 {45.8}	12.7 {44.8}
		-30	10.2 {36.0}	10.7 {37.5}	10.8 {37.9}	10.8 {37.8}	10.4 {36.7}
		-40	7.85 {27.6}	8.11 {28.5}	8.16 {28.7}	8.13 {28.6}	7.88 {27.7}

R410A
Charge type : SA <-45～10℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0645BVSA 0645DVSA	10	4.78 {16.8}	6.23 {21.9}	6.74 {23.7}	6.83 {24.0}	6.77 {23.8}
		5	5.97 {21.0}	7.08 {24.9}	7.48 {26.3}	7.54 {26.5}	7.34 {25.8}
		0	6.00 {21.1}	6.80 {23.9}	7.02 {24.7}	7.02 {24.7}	6.77 {23.8}
		-5	5.72 {20.1}	6.26 {22.0}	6.37 {22.4}	6.37 {22.4}	6.06 {21.3}
		-10	5.52 {19.4}	5.92 {20.8}	5.97 {21.0}	5.94 {20.9}	5.60 {19.7}
		-20	5.12 {18.0}	5.29 {18.6}	5.26 {18.5}	5.23 {18.4}	4.89 {17.2}
		-30	4.55 {16.0}	4.64 {16.3}	4.58 {16.1}	4.52 {15.9}	4.18 {14.7}
		-40	3.87 {13.6}	3.90 {13.7}	3.81 {13.4}	3.78 {13.3}	3.47 {12.2}
		-45	3.38 {11.9}	3.41 {12.0}	3.33 {11.7}	3.30 {11.6}	3.01 {10.6}
	0945BVSA 0945DVSA	10	6.65 {23.4}	8.65 {30.4}	9.38 {33.0}	9.47 {33.3}	9.41 {33.1}
		5	8.30 {29.2}	9.84 {34.6}	10.4 {36.6}	10.5 {36.8}	10.2 {35.9}
		0	8.36 {29.4}	9.44 {33.2}	9.78 {34.4}	9.78 {34.4}	9.44 {33.2}
		-5	7.96 {28.0}	8.70 {30.6}	8.87 {31.2}	8.87 {31.2}	8.45 {29.7}
		-10	7.71 {27.1}	8.22 {28.9}	8.30 {29.2}	8.28 {29.1}	7.82 {27.5}
		-20	7.11 {25.0}	7.37 {25.9}	7.34 {25.8}	7.28 {25.6}	6.80 {23.9}
		-30	6.34 {22.3}	6.46 {22.7}	6.37 {22.4}	6.31 {22.2}	5.83 {20.5}
		-40	5.37 {18.9}	5.43 {19.1}	5.32 {18.7}	5.26 {18.5}	4.83 {17.0}
		-45	4.72 {16.6}	4.75 {16.7}	4.64 {16.3}	4.58 {16.1}	4.21 {14.8}
	1157DVSA 1171DVSA	10	8.36 {29.4}	10.9 {38.2}	11.8 {41.5}	11.9 {41.9}	11.8 {41.6}
		5	10.4 {36.6}	12.4 {43.5}	13.1 {46.0}	13.1 {46.2}	12.8 {45.1}
		0	10.5 {36.9}	11.9 {41.7}	12.3 {43.2}	12.3 {43.2}	11.8 {41.6}
		-5	9.98 {35.1}	10.9 {38.4}	11.2 {39.2}	11.1 {39.1}	10.6 {37.3}
		-10	9.67 {34.0}	10.3 {36.3}	10.4 {36.7}	10.4 {36.5}	9.81 {34.5}
		-20	8.93 {31.4}	9.27 {32.6}	9.21 {32.4}	9.16 {32.2}	8.53 {30.0}
		-30	7.96 {28.0}	8.13 {28.6}	7.99 {28.1}	7.93 {27.9}	7.34 {25.8}
		-40	6.77 {23.8}	6.83 {24.0}	6.68 {23.5}	6.63 {23.3}	6.06 {21.3}
		-45	5.92 {20.8}	5.97 {21.0}	5.83 {20.5}	5.77 {20.3}	5.29 {18.6}
	1357DVSA 1371DVSA	10	10.0 {35.3}	13.0 {45.8}	14.1 {49.7}	14.3 {50.2}	14.2 {49.9}
		5	12.5 {43.9}	14.9 {52.2}	15.7 {55.1}	15.8 {55.4}	15.4 {54.1}
		0	12.6 {44.3}	14.2 {50.0}	14.7 {51.8}	14.7 {51.8}	14.2 {49.9}
		-5	12.0 {42.1}	13.1 {46.0}	13.4 {47.0}	13.3 {46.9}	12.7 {44.7}
		-10	11.6 {40.8}	12.4 {43.5}	12.5 {44.0}	12.5 {43.8}	11.8 {41.4}
		-20	10.7 {37.7}	11.1 {39.1}	11.1 {38.9}	11.0 {38.6}	10.2 {36.0}
		-30	9.56 {33.6}	9.75 {34.3}	9.58 {33.7}	9.50 {33.4}	8.79 {30.9}
		-40	8.11 {28.5}	8.19 {28.8}	8.02 {28.2}	7.93 {27.9}	7.28 {25.6}
		-45	7.11 {25.0}	7.14 {25.1}	7.00 {24.6}	6.91 {24.3}	6.34 {22.3}
	1657DVSA 1671DVSA	10	11.9 {41.8}	15.4 {54.2}	16.8 {58.9}	16.9 {59.5}	16.8 {59.1}
		5	14.8 {52.0}	17.6 {61.8}	18.6 {65.3}	18.7 {65.6}	18.2 {64.1}
		0	14.9 {52.4}	16.8 {59.2}	17.4 {61.3}	17.5 {61.4}	16.8 {59.1}
		-5	14.2 {49.9}	15.5 {54.5}	15.8 {55.6}	15.8 {55.6}	15.1 {53.0}
		-10	13.7 {48.2}	14.7 {51.5}	14.8 {52.0}	14.7 {51.8}	13.9 {49.0}
		-20	12.7 {44.6}	13.1 {46.2}	13.1 {46.0}	13.0 {45.7}	12.1 {42.6}
		-30	11.3 {39.8}	11.5 {40.5}	11.4 {39.9}	11.3 {39.6}	10.4 {36.5}
		-40	9.58 {33.7}	9.67 {34.0}	9.47 {33.3}	9.38 {33.0}	8.62 {30.3}
		-45	8.39 {29.5}	8.45 {29.7}	8.25 {29.0}	8.16 {28.7}	7.48 {26.3}

R410A
Charge type : C <-40～-10℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0645BVC 0645DVC	-10	5.94 {20.9}	6.34 {22.3}	6.43 {22.6}	6.40 {22.5}	6.03 {21.2}
		-20	6.54 {23.0}	6.77 {23.8}	6.74 {23.7}	6.68 {23.5}	6.23 {21.9}
		-30	5.46 {19.2}	5.55 {19.5}	5.46 {19.2}	5.43 {19.1}	5.01 {17.6}
		-40	4.64 {16.3}	4.66 {16.4}	4.58 {16.1}	4.52 {15.9}	4.15 {14.6}
	0945BVC 0945DVC	-10	8.28 {29.1}	8.84 {31.1}	8.93 {31.4}	8.90 {31.3}	8.42 {29.6}
		-20	9.10 {32.0}	9.41 {33.1}	9.38 {33.0}	9.30 {32.7}	8.67 {30.5}
		-30	7.59 {26.7}	7.74 {27.2}	7.62 {26.8}	7.54 {26.5}	6.97 {24.5}
		-40	6.43 {22.6}	6.48 {22.8}	6.37 {22.4}	6.29 {22.1}	5.77 {20.3}
	1157DVC 1171DVC	-10	10.4 {36.6}	11.1 {39.1}	11.2 {39.5}	11.2 {39.3}	10.6 {37.1}
		-20	11.4 {40.2}	11.8 {41.6}	11.8 {41.4}	11.7 {41.1}	10.9 {38.4}
		-30	9.53 {33.5}	9.73 {34.2}	9.56 {33.6}	9.47 {33.3}	8.76 {30.8}
		-40	8.11 {28.5}	8.16 {28.7}	7.99 {28.1}	7.91 {27.8}	7.25 {25.5}
	1357DVC 1371DVC	-10	12.5 {43.9}	13.3 {46.8}	13.5 {47.3}	13.4 {47.1}	12.7 {44.5}
		-20	13.7 {48.2}	14.2 {49.9}	14.1 {49.7}	14.0 {49.3}	13.1 {46.0}
		-30	11.4 {40.2}	11.7 {41.0}	11.5 {40.3}	11.4 {40.0}	10.5 {36.9}
		-40	9.70 {34.1}	9.78 {34.4}	9.58 {33.7}	9.50 {33.4}	8.70 {30.6}
	1657DVC 1671DVC	-10	14.8 {51.9}	15.8 {55.5}	15.9 {56.0}	15.9 {55.8}	15.0 {52.7}
		-20	16.2 {57.0}	16.8 {59.1}	16.7 {58.8}	16.6 {58.4}	15.5 {54.4}
		-30	13.5 {47.5}	13.8 {48.5}	13.6 {47.7}	13.5 {47.3}	12.4 {43.7}
		-40	11.5 {40.4}	11.6 {40.7}	11.4 {39.9}	11.2 {39.5}	10.3 {36.2}

R410A

Charge type : SL <-60～-30℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0645BVSL 0645DVSL	-30	3.57 {12.6}	3.64 {12.8}	3.59 {12.6}	3.56 {12.5}	3.28 {11.6}
		-35	3.78 {13.3}	3.83 {13.5}	3.76 {13.2}	3.73 {13.1}	3.43 {12.1}
		-40	3.70 {13.0}	3.73 {13.1}	3.65 {12.8}	3.61 {12.7}	3.32 {11.7}
		-45	3.33 {11.7}	3.35 {11.8}	3.27 {11.5}	3.24 {11.4}	2.97 {10.4}
		-50	2.80 {9.83}	2.81 {9.87}	2.74 {9.64}	2.71 {9.53}	2.48 {8.72}
		-55	2.33 {8.19}	2.34 {8.21}	2.28 {8.02}	2.25 {7.93}	2.06 {7.25}
		-60	2.32 {8.14}	2.32 {8.17}	2.27 {7.98}	2.24 {7.89}	2.05 {7.22}
	0945BVSL 0945DVSL	-30	4.98 {17.5}	5.07 {17.8}	5.00 {17.6}	4.95 {17.4}	4.58 {16.1}
		-35	5.27 {18.5}	5.34 {18.8}	5.24 {18.4}	5.19 {18.3}	4.78 {16.8}
		-40	5.15 {18.1}	5.19 {18.3}	5.09 {17.9}	5.04 {17.7}	4.62 {16.3}
		-45	4.64 {16.3}	4.66 {16.4}	4.56 {16.0}	4.51 {15.9}	4.13 {14.5}
		-50	3.90 {13.7}	3.91 {13.8}	3.82 {13.4}	3.78 {13.3}	3.46 {12.2}
		-55	3.25 {11.4}	3.26 {11.5}	3.18 {11.2}	3.14 {11.1}	2.87 {10.1}
		-60	3.23 {11.4}	3.24 {11.4}	3.16 {11.1}	3.13 {11.0}	2.86 {10.1}
	1157DVSL 1171DVSL	-30	6.26 {22.0}	6.38 {22.4}	6.28 {22.1}	6.23 {21.9}	5.75 {20.2}
		-35	6.63 {23.3}	6.71 {23.6}	6.59 {23.2}	6.53 {23.0}	6.01 {21.1}
		-40	6.47 {22.8}	6.53 {23.0}	6.40 {22.5}	6.33 {22.3}	5.81 {20.4}
		-45	5.83 {20.5}	5.87 {20.6}	5.73 {20.2}	5.67 {19.9}	5.20 {18.3}
		-50	4.90 {17.2}	4.92 {17.3}	4.80 {16.9}	4.75 {16.7}	4.35 {15.3}
		-55	4.08 {14.4}	4.10 {14.4}	4.00 {14.1}	3.95 {13.9}	3.61 {12.7}
		-60	4.06 {14.3}	4.07 {14.3}	3.98 {14.0}	3.93 {13.8}	3.60 {12.7}
	1357DVSL 1371DVSL	-30	7.51 {26.4}	7.65 {26.9}	7.54 {26.5}	7.47 {26.3}	6.90 {24.3}
		-35	7.94 {27.9}	8.05 {28.3}	7.90 {27.8}	7.83 {27.5}	7.21 {25.3}
		-40	7.76 {27.3}	7.83 {27.5}	7.67 {27.0}	7.59 {26.7}	6.97 {24.5}
		-45	6.99 {24.6}	7.03 {24.7}	6.87 {24.2}	6.80 {23.9}	6.23 {21.9}
		-50	5.88 {20.7}	5.90 {20.8}	5.76 {20.3}	5.70 {20.0}	5.21 {18.3}
		-55	4.90 {17.2}	4.91 {17.3}	4.79 {16.9}	4.74 {16.7}	4.33 {15.2}
		-60	4.87 {17.1}	4.89 {17.2}	4.77 {16.8}	4.72 {16.6}	4.32 {15.2}
	1657DVSL 1671DVSL	-30	8.87 {31.2}	9.04 {31.8}	8.91 {31.3}	8.83 {31.1}	8.16 {28.7}
		-35	9.39 {33.0}	9.52 {33.5}	9.35 {32.9}	9.26 {32.6}	8.52 {30.0}
		-40	9.18 {32.3}	9.26 {32.6}	9.07 {31.9}	8.98 {31.6}	8.24 {29.0}
		-45	8.27 {29.1}	8.32 {29.2}	8.13 {28.6}	8.04 {28.3}	7.37 {25.9}
		-50	6.95 {24.4}	6.97 {24.5}	6.81 {23.9}	6.73 {23.7}	6.16 {21.7}
		-55	5.79 {20.3}	5.80 {20.4}	5.66 {19.9}	5.60 {19.7}	5.12 {18.0}
		-60	5.75 {20.2}	5.77 {20.3}	5.64 {19.8}	5.58 {19.6}	5.10 {17.9}

R448A

Charge type : SA <-40~10℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0545BC1SA 0545DC1SA	10	3.70 {13.0}	4.86 {17.1}	5.35 {18.8}	5.46 {19.2}	5.55 {19.5}
		5	4.92 {17.3}	5.83 {20.5}	6.20 {21.8}	6.26 {22.0}	6.26 {22.0}
		0	4.78 {16.8}	5.43 {19.1}	5.72 {20.1}	5.74 {20.2}	5.69 {20.0}
		-5	4.83 {17.0}	5.29 {18.6}	5.43 {19.1}	5.43 {19.1}	5.32 {18.7}
		-10	4.38 {15.4}	4.72 {16.6}	4.83 {17.0}	4.83 {17.0}	4.69 {16.5}
		-15	4.10 {14.4}	4.35 {15.3}	4.41 {15.5}	4.41 {15.5}	4.24 {14.9}
		-20	3.78 {13.3}	3.92 {13.8}	3.98 {14.0}	3.95 {13.9}	3.78 {13.3}
		-25	3.44 {12.1}	3.55 {12.5}	3.55 {12.5}	3.53 {12.4}	3.38 {11.9}
		-30	3.07 {10.8}	3.19 {11.2}	3.16 {11.1}	3.16 {11.1}	2.96 {10.4}
		-35	2.78 {9.77}	2.83 {9.94}	2.80 {9.84}	2.80 {9.84}	2.63 {9.24}
		-40	2.46 {8.65}	2.51 {8.82}	2.49 {8.74}	2.47 {8.68}	2.32 {8.15}
	0745BC1SA 0745DC1SA	10	5.15 {18.1}	6.77 {23.8}	7.45 {26.2}	7.56 {26.6}	7.74 {27.2}
		5	6.83 {24.0}	8.08 {28.4}	8.62 {30.3}	8.70 {30.6}	8.70 {30.6}
		0	6.63 {23.3}	7.56 {26.6}	7.93 {27.9}	7.96 {28.0}	7.88 {27.7}
		-5	6.74 {23.7}	7.37 {25.9}	7.56 {26.6}	7.56 {26.6}	7.37 {25.9}
		-10	6.11 {21.5}	6.57 {23.1}	6.71 {23.6}	6.71 {23.6}	6.51 {22.9}
		-15	5.72 {20.1}	6.03 {21.2}	6.14 {21.6}	6.11 {21.5}	5.89 {20.7}
		-20	5.23 {18.4}	5.49 {19.3}	5.52 {19.4}	5.49 {19.3}	5.26 {18.5}
		-25	4.78 {16.8}	4.95 {17.4}	4.95 {17.4}	4.92 {17.3}	4.66 {16.4}
		-30	4.29 {15.1}	4.44 {15.6}	4.41 {15.5}	4.38 {15.4}	4.15 {14.6}
		-35	3.87 {13.6}	3.95 {13.9}	3.92 {13.8}	3.90 {13.7}	3.64 {12.8}
		-40	3.41 {12.0}	3.50 {12.3}	3.44 {12.1}	3.44 {12.1}	3.24 {11.4}
	0957DC1SA 0971DC1SA	10	6.46 {22.7}	8.50 {29.9}	9.36 {32.9}	9.50 {33.4}	9.70 {34.1}
		5	8.56 {30.1}	10.2 {35.8}	10.8 {38.1}	11.0 {38.5}	10.9 {38.4}
		0	8.33 {29.3}	9.50 {33.4}	9.95 {35.0}	10.0 {35.2}	9.90 {34.8}
		-5	8.47 {29.8}	9.24 {32.5}	9.50 {33.4}	9.50 {33.4}	9.27 {32.6}
		-10	7.68 {27.0}	8.28 {29.1}	8.45 {29.7}	8.47 {29.8}	8.19 {28.8}
		-15	7.17 {25.2}	7.59 {26.7}	7.71 {27.1}	7.68 {27.0}	7.39 {26.0}
		-20	6.60 {23.2}	6.91 {24.3}	6.94 {24.4}	6.94 {24.4}	6.60 {23.2}
		-25	6.00 {21.1}	6.20 {21.8}	6.23 {21.9}	6.20 {21.8}	5.89 {20.7}
		-30	5.40 {19.0}	5.57 {19.6}	5.55 {19.5}	5.52 {19.4}	5.20 {18.3}
		-35	4.86 {17.1}	4.95 {17.4}	4.92 {17.3}	4.89 {17.2}	4.61 {16.2}
		-40	4.29 {15.1}	4.38 {15.4}	4.35 {15.3}	4.32 {15.2}	4.07 {14.3}
	1157DC1SA 1171DC1SA	10	7.74 {27.2}	10.2 {35.9}	11.2 {39.5}	11.4 {40.1}	11.6 {40.9}
		5	10.3 {36.1}	12.2 {42.8}	13.0 {45.7}	13.1 {46.1}	13.1 {46.2}
		0	9.95 {35.0}	11.4 {40.1}	11.9 {42.0}	12.0 {42.2}	11.9 {41.7}
		-5	10.2 {35.8}	11.1 {38.9}	11.4 {40.0}	11.4 {40.1}	11.1 {39.1}
		-10	9.21 {32.4}	9.93 {34.9}	10.1 {35.6}	10.2 {35.7}	9.81 {34.5}
		-15	8.59 {30.2}	9.10 {32.0}	9.21 {32.4}	9.21 {32.4}	8.84 {31.1}
		-20	7.91 {27.8}	8.28 {29.1}	8.30 {29.2}	8.30 {29.2}	7.91 {27.8}
		-25	7.20 {25.3}	7.45 {26.2}	7.48 {26.3}	7.42 {26.1}	7.05 {24.8}
		-30	6.48 {22.8}	6.65 {23.4}	6.65 {23.4}	6.60 {23.2}	6.26 {22.0}
		-35	5.83 {20.5}	5.94 {20.9}	5.89 {20.7}	5.89 {20.7}	5.52 {19.4}
		-40	5.18 {18.2}	5.29 {18.6}	5.23 {18.4}	5.18 {18.2}	4.89 {17.2}
	1357DC1SA 1371DC1SA	10	9.19 {32.3}	12.1 {42.4}	13.3 {46.8}	13.5 {47.4}	13.8 {48.5}
		5	12.2 {42.8}	14.5 {50.8}	15.4 {54.1}	15.5 {54.6}	15.5 {54.6}
		0	11.8 {41.5}	13.5 {47.4}	14.2 {49.8}	14.2 {50.0}	14.1 {49.5}
		-5	12.0 {42.3}	13.1 {46.1}	13.5 {47.4}	13.5 {47.5}	13.2 {46.3}
		-10	10.9 {38.3}	11.8 {41.3}	12.0 {42.2}	12.0 {42.2}	11.6 {40.9}
		-15	10.2 {35.8}	10.8 {37.9}	10.9 {38.4}	10.9 {38.4}	10.5 {36.8}
		-20	9.36 {32.9}	9.78 {34.4}	9.87 {34.7}	9.81 {34.5}	9.36 {32.9}
		-25	8.50 {29.9}	8.82 {31.0}	8.82 {31.0}	8.79 {30.9}	8.33 {29.3}
		-30	7.68 {27.0}	7.91 {27.8}	7.85 {27.6}	7.82 {27.5}	7.39 {26.0}
		-35	6.88 {24.2}	7.02 {24.7}	6.97 {24.5}	6.94 {24.4}	6.51 {22.9}
		-40	6.11 {21.5}	6.23 {21.9}	6.17 {21.7}	6.14 {21.6}	5.74 {20.2}

R448A

Charge type : C <-40~0℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0545BC1C 0545DC1C	0	4.41 {15.5}	5.03 {17.7}	5.29 {18.6}	5.29 {18.6}	5.26 {18.5}
		-5	4.83 {17.0}	5.29 {18.6}	5.43 {19.1}	5.43 {19.1}	5.32 {18.7}
		-10	4.69 {16.5}	5.03 {17.7}	5.18 {18.2}	5.15 {18.1}	5.01 {17.6}
		-20	4.41 {15.5}	4.58 {16.1}	4.61 {16.2}	4.61 {16.2}	4.41 {15.5}
		-30	3.73 {13.1}	3.84 {13.5}	3.81 {13.4}	3.78 {13.3}	3.58 {12.6}
		-40	2.83 {9.94}	2.90 {10.2}	2.87 {10.1}	2.84 {10.0}	2.66 {9.37}
	0745BC1C 0745DC1C	0	6.14 {21.6}	7.00 {24.6}	7.34 {25.8}	7.39 {26.0}	7.31 {25.7}
		-5	6.74 {23.7}	7.37 {25.9}	7.56 {26.6}	7.56 {26.6}	7.37 {25.9}
		-10	6.51 {22.9}	7.02 {24.7}	7.20 {25.3}	7.17 {25.2}	6.97 {24.5}
		-20	6.11 {21.5}	6.40 {22.5}	6.46 {22.7}	6.43 {22.6}	6.11 {21.5}
		-30	5.18 {18.2}	5.32 {18.7}	5.29 {18.6}	5.26 {18.5}	4.98 {17.5}
		-40	3.95 {13.9}	4.04 {14.2}	3.98 {14.0}	3.95 {13.9}	3.73 {13.1}
	0957DC1C 0971DC1C	0	7.71 {27.1}	8.79 {30.9}	9.21 {32.4}	9.30 {32.7}	9.19 {32.3}
		-5	8.47 {29.8}	9.24 {32.5}	9.50 {33.4}	9.50 {33.4}	9.27 {32.6}
		-10	8.19 {28.8}	8.84 {31.1}	9.02 {31.7}	9.02 {31.7}	8.73 {30.7}
		-20	7.68 {27.0}	8.05 {28.3}	8.08 {28.4}	8.08 {28.4}	7.71 {27.1}
		-30	6.51 {22.9}	6.68 {23.5}	6.65 {23.4}	6.63 {23.3}	6.26 {22.0}
		-40	4.95 {17.4}	5.06 {17.8}	5.01 {17.6}	4.98 {17.5}	4.66 {16.4}
	1157DC1C 1171DC1C	0	9.24 {32.5}	10.6 {37.1}	11.1 {39.0}	11.1 {39.1}	11.0 {38.7}
		-5	10.2 {35.8}	11.1 {38.9}	11.4 {40.0}	11.4 {40.1}	11.1 {39.1}
		-10	9.81 {34.5}	10.6 {37.2}	10.8 {38.0}	10.8 {38.0}	10.5 {36.8}
		-20	9.24 {32.5}	9.67 {34.0}	9.70 {34.1}	9.67 {34.0}	9.24 {32.5}
		-30	7.79 {27.4}	8.02 {28.2}	7.99 {28.1}	7.93 {27.9}	7.51 {26.4}
		-40	5.94 {20.9}	6.06 {21.3}	6.00 {21.1}	5.83 {20.5}	5.60 {19.7}
	1357DC1C 1371DC1C	0	11.0 {38.5}	12.5 {44.0}	13.1 {46.1}	13.2 {46.3}	13.0 {45.8}
		-5	12.0 {42.3}	13.1 {46.1}	13.5 {47.4}	13.5 {47.5}	13.2 {46.3}
		-10	11.6 {40.9}	12.5 {44.0}	12.8 {45.0}	12.8 {45.0}	12.4 {43.6}
		-20	10.9 {38.4}	11.4 {40.2}	11.5 {40.3}	11.5 {40.3}	11.0 {38.5}
		-30	9.21 {32.4}	9.50 {33.4}	9.44 {33.2}	9.41 {33.1}	8.90 {31.3}
		-40	7.02 {24.7}	7.17 {25.2}	7.05 {24.8}	7.05 {24.8}	6.63 {23.3}

R448A

Charge type : SL <-60～-25℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW} Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0545BC1SL 0545DC1SL	-25	1.93 {6.77}	1.99 {6.98}	1.98 {6.96}	1.96 {6.90}	1.85 {6.50}
		-30	2.84 {10.0}	2.90 {10.2}	2.90 {10.2}	2.87 {10.1}	2.68 {9.42}
		-35	2.51 {8.81}	2.55 {8.96}	2.52 {8.85}	2.49 {8.76}	2.32 {8.17}
		-40	2.19 {7.70}	2.22 {7.79}	2.19 {7.69}	2.16 {7.59}	2.01 {7.06}
		-45	1.91 {6.71}	1.93 {6.78}	1.90 {6.67}	1.88 {6.60}	1.74 {6.11}
		-50	1.66 {5.84}	1.68 {5.89}	1.64 {5.78}	1.62 {5.71}	1.50 {5.29}
		-55	1.46 {5.13}	1.47 {5.16}	1.44 {5.08}	1.43 {5.02}	1.32 {4.64}
		-60	1.28 {4.50}	1.29 {4.54}	1.27 {4.47}	1.26 {4.42}	1.16 {4.09}
	0745BC1SL 0745DC1SL	-25	2.68 {9.44}	2.77 {9.73}	2.76 {9.70}	2.74 {9.62}	2.58 {9.06}
		-30	3.95 {13.9}	4.07 {14.3}	4.01 {14.1}	3.98 {14.0}	3.73 {13.1}
		-35	3.50 {12.3}	3.55 {12.5}	3.50 {12.3}	3.47 {12.2}	3.24 {11.4}
		-40	3.04 {10.7}	3.10 {10.9}	3.04 {10.7}	3.01 {10.6}	2.80 {9.84}
		-45	2.66 {9.35}	2.69 {9.45}	2.64 {9.29}	2.61 {9.19}	2.42 {8.51}
		-50	2.31 {8.14}	2.33 {8.20}	2.29 {8.06}	2.26 {7.96}	2.10 {7.37}
		-55	2.03 {7.14}	2.05 {7.20}	2.01 {7.08}	1.99 {6.99}	1.84 {6.46}
		-60	1.79 {6.28}	1.80 {6.34}	1.77 {6.23}	1.75 {6.16}	1.62 {5.70}
	0957DC1SL 0971DC1SL	-25	3.38 {11.9}	3.47 {12.2}	3.47 {12.2}	3.44 {12.1}	3.24 {11.4}
		-30	4.98 {17.5}	5.09 {17.9}	5.06 {17.8}	5.01 {17.6}	4.69 {16.5}
		-35	4.38 {15.4}	4.46 {15.7}	4.41 {15.5}	4.38 {15.4}	4.07 {14.3}
		-40	3.84 {13.5}	3.90 {13.7}	3.84 {13.5}	3.78 {13.3}	3.53 {12.4}
		-45	3.36 {11.8}	3.38 {11.9}	3.33 {11.7}	3.30 {11.6}	3.04 {10.7}
		-50	2.90 {10.2}	2.93 {10.3}	2.87 {10.1}	2.84 {10.0}	2.64 {9.27}
		-55	2.55 {8.98}	2.58 {9.06}	2.53 {8.90}	2.50 {8.80}	2.31 {8.13}
		-60	2.24 {7.89}	2.27 {7.97}	2.23 {7.85}	2.21 {7.76}	2.04 {7.17}
	1157DC1SL 1171DC1SL	-25	4.04 {14.2}	4.18 {14.7}	4.15 {14.6}	4.12 {14.5}	3.90 {13.7}
		-30	5.97 {21.0}	6.11 {21.5}	6.06 {21.3}	6.00 {21.1}	5.63 {19.8}
		-35	5.26 {18.5}	5.35 {18.8}	5.29 {18.6}	5.23 {18.4}	4.89 {17.2}
		-40	4.61 {16.2}	4.66 {16.4}	4.58 {16.1}	4.55 {16.0}	4.24 {14.9}
		-45	4.01 {14.1}	4.04 {14.2}	3.98 {14.0}	3.95 {13.9}	3.64 {12.8}
		-50	3.50 {12.3}	3.53 {12.4}	3.47 {12.2}	3.41 {12.0}	3.16 {11.1}
		-55	3.07 {10.8}	3.10 {10.9}	3.04 {10.7}	3.01 {10.6}	2.77 {9.75}
		-60	2.69 {9.47}	2.72 {9.55}	2.68 {9.41}	2.64 {9.29}	2.45 {8.60}
	1357DC1SL 1371DC1SL	-25	4.78 {16.8}	4.92 {17.3}	4.92 {17.3}	4.86 {17.1}	4.58 {16.1}
		-30	7.08 {24.9}	7.22 {25.4}	7.17 {25.2}	7.11 {25.0}	6.65 {23.4}
		-35	6.23 {21.9}	6.31 {22.2}	6.26 {22.0}	6.20 {21.8}	5.77 {20.3}
		-40	5.43 {19.1}	5.52 {19.4}	5.43 {19.1}	5.37 {18.9}	5.01 {17.6}
		-45	4.75 {16.7}	4.78 {16.8}	4.72 {16.6}	4.66 {16.4}	4.32 {15.2}
		-50	4.12 {14.5}	4.15 {14.6}	4.10 {14.4}	4.04 {14.2}	3.73 {13.1}
		-55	3.61 {12.7}	3.64 {12.8}	3.58 {12.6}	3.55 {12.5}	3.27 {11.5}
		-60	3.19 {11.2}	3.21 {11.3}	3.16 {11.1}	3.13 {11.0}	2.90 {10.2}

R449A

Charge type : SA <-40～10℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW} Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0545BC1SA 0545DC1SA	10	3.67 {12.9}	4.81 {16.9}	5.29 {18.6}	5.37 {18.9}	5.49 {19.3}
		5	4.69 {16.5}	5.63 {19.8}	6.00 {21.1}	6.06 {21.3}	6.06 {21.3}
		0	4.72 {16.6}	5.35 {18.8}	5.63 {19.8}	5.66 {19.9}	5.60 {19.7}
		-5	4.58 {16.1}	5.06 {17.8}	5.20 {18.3}	5.20 {18.3}	5.09 {17.9}
		-10	4.35 {15.3}	4.66 {16.4}	4.75 {16.7}	4.78 {16.8}	4.61 {16.2}
		-15	4.07 {14.3}	4.29 {15.1}	4.35 {15.3}	4.32 {15.2}	4.15 {14.6}
		-20	3.73 {13.1}	3.87 {13.6}	3.92 {13.8}	3.90 {13.7}	3.70 {13.0}
		-25	3.38 {11.9}	3.50 {12.3}	3.50 {12.3}	3.47 {12.2}	3.30 {11.6}
		-30	3.04 {10.7}	3.13 {11.0}	3.10 {10.9}	3.10 {10.9}	2.93 {10.3}
		-35	2.74 {9.64}	2.78 {9.79}	2.75 {9.68}	2.75 {9.67}	2.58 {9.06}
		-40	2.43 {8.53}	2.47 {8.68}	2.44 {8.58}	2.42 {8.52}	2.27 {7.98}
	0745BC1SA 0745DC1SA	10	5.09 {17.9}	6.68 {23.5}	7.37 {25.9}	7.45 {26.2}	7.62 {26.8}
		5	6.51 {22.9}	7.79 {27.4}	8.36 {29.4}	8.42 {29.6}	8.42 {29.6}
		0	6.54 {23.0}	7.48 {26.3}	7.82 {27.5}	7.85 {27.6}	7.76 {27.3}
		-5	6.37 {22.4}	7.02 {24.7}	7.25 {25.5}	7.25 {25.5}	7.08 {24.9}
		-10	6.03 {21.2}	6.48 {22.8}	6.63 {23.3}	6.63 {23.3}	6.40 {22.5}
		-15	5.66 {19.9}	5.94 {20.9}	6.03 {21.2}	6.00 {21.1}	5.77 {20.3}
		-20	5.18 {18.2}	5.40 {19.0}	5.43 {19.1}	5.40 {19.0}	5.15 {18.1}
		-25	4.72 {16.6}	4.86 {17.1}	4.86 {17.1}	4.83 {17.0}	4.58 {16.1}
		-30	4.24 {14.9}	4.38 {15.4}	4.35 {15.3}	4.29 {15.1}	4.07 {14.3}
		-35	3.81 {13.4}	3.90 {13.7}	3.84 {13.5}	3.81 {13.4}	3.58 {12.6}
		-40	3.38 {11.9}	3.44 {12.1}	3.38 {11.9}	3.38 {11.9}	3.16 {11.1}
	0957DC1SA 0971DC1SA	10	6.40 {22.5}	8.42 {29.6}	9.24 {32.5}	9.36 {32.9}	9.56 {33.6}
		5	8.19 {28.8}	9.81 {34.5}	10.5 {36.9}	10.6 {37.2}	10.6 {37.2}
		0	8.22 {28.9}	9.38 {33.0}	9.81 {34.5}	9.87 {34.7}	9.75 {34.3}
		-5	8.02 {28.2}	8.82 {31.0}	9.13 {32.1}	9.13 {32.1}	8.90 {31.3}
		-10	7.59 {26.7}	8.16 {28.7}	8.33 {29.3}	8.33 {29.3}	8.08 {28.4}
		-15	7.08 {24.9}	7.48 {26.3}	7.59 {26.7}	7.56 {26.6}	7.25 {25.5}
		-20	6.51 {22.9}	6.83 {24.0}	6.83 {24.0}	6.83 {24.0}	6.48 {22.8}
		-25	5.94 {20.9}	6.11 {21.5}	6.11 {21.5}	6.09 {21.4}	5.77 {20.3}
		-30	5.35 {18.8}	5.49 {19.3}	5.43 {19.1}	5.43 {19.1}	5.09 {17.9}
		-35	4.78 {16.8}	4.86 {17.1}	4.83 {17.0}	4.81 {16.9}	4.52 {15.9}
		-40	4.24 {14.9}	4.32 {15.2}	4.29 {15.1}	4.24 {14.9}	3.98 {14.0}
	1157DC1SA 1171DC1SA	10	7.65 {26.9}	10.1 {35.5}	11.1 {38.9}	11.2 {39.5}	11.5 {40.3}
		5	9.81 {34.5}	11.8 {41.3}	12.6 {44.3}	12.7 {44.6}	12.7 {44.7}
		0	9.87 {34.7}	11.3 {39.6}	11.8 {41.4}	11.8 {41.6}	11.7 {41.1}
		-5	9.61 {33.8}	10.6 {37.2}	10.9 {38.4}	11.0 {38.5}	10.7 {37.6}
		-10	9.13 {32.1}	9.78 {34.4}	9.98 {35.1}	10.0 {35.2}	9.64 {33.9}
		-15	8.50 {29.9}	8.99 {31.6}	9.10 {32.0}	9.07 {31.9}	8.70 {30.6}
		-20	7.82 {27.5}	8.16 {28.7}	8.19 {28.8}	8.16 {28.7}	7.76 {27.3}
		-25	7.11 {25.0}	7.34 {25.8}	7.37 {25.9}	7.31 {25.7}	6.94 {24.4}
		-30	6.40 {22.5}	6.57 {23.1}	6.54 {23.0}	6.48 {22.8}	6.14 {21.6}
		-35	5.74 {20.2}	5.86 {20.6}	5.80 {20.4}	5.77 {20.3}	5.40 {19.0}
		-40	5.09 {17.9}	5.20 {18.3}	5.15 {18.1}	5.09 {17.9}	4.78 {16.8}
	1357DC1SA 1371DC1SA	10	9.10 {32.0}	11.9 {41.9}	13.1 {46.1}	13.3 {46.8}	13.6 {47.7}
		5	11.6 {40.9}	13.9 {49.0}	14.9 {52.3}	15.0 {52.8}	15.0 {52.8}
		0	11.7 {41.1}	13.3 {46.8}	14.0 {49.1}	14.0 {49.3}	13.9 {48.7}
		-5	11.4 {40.0}	12.5 {44.1}	12.9 {45.5}	13.0 {45.6}	12.7 {44.5}
		-10	10.8 {37.8}	11.6 {40.8}	11.8 {41.6}	11.8 {41.6}	11.4 {40.2}
		-15	10.1 {35.4}	10.6 {37.4}	10.8 {37.8}	10.8 {37.8}	10.3 {36.2}
		-20	9.24 {32.5}	9.67 {34.0}	9.73 {34.2}	9.64 {33.9}	9.21 {32.4}
		-25	8.39 {29.5}	8.70 {30.6}	8.70 {30.6}	8.65 {30.4}	8.19 {28.8}
		-30	7.56 {26.6}	7.79 {27.4}	7.74 {27.2}	7.68 {27.0}	7.25 {25.5}
		-35	6.80 {23.9}	6.91 {24.3}	6.85 {24.1}	6.83 {24.0}	6.40 {22.5}
		-40	6.03 {21.2}	6.11 {21.5}	6.06 {21.3}	6.03 {21.2}	5.63 {19.8}

R449A

Charge type : C <-40～0℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0545BC1C 0545DC1C	0	4.38 {15.4}	4.98 {17.5}	5.23 {18.4}	5.23 {18.4}	5.18 {18.2}
		-5	4.58 {16.1}	5.06 {17.8}	5.20 {18.3}	5.20 {18.3}	5.09 {17.9}
		-10	4.64 {16.3}	4.98 {17.5}	5.09 {17.9}	5.06 {17.8}	4.92 {17.3}
		-20	4.35 {15.3}	4.52 {15.9}	4.55 {16.0}	4.55 {16.0}	4.32 {15.2}
		-30	3.67 {12.9}	3.78 {13.3}	3.73 {13.1}	3.73 {13.1}	3.50 {12.3}
		-40	2.79 {9.80}	2.84 {10.0}	2.82 {9.91}	2.79 {9.81}	2.61 {9.18}
	0745BC1C 0745DC1C	0	6.09 {21.4}	6.91 {24.3}	7.25 {25.5}	7.28 {25.6}	7.20 {25.3}
		-5	6.37 {22.4}	7.02 {24.7}	7.25 {25.5}	7.25 {25.5}	7.08 {24.9}
		-10	6.46 {22.7}	6.94 {24.4}	7.08 {24.9}	7.08 {24.9}	6.85 {24.1}
		-20	6.03 {21.2}	6.31 {22.2}	6.34 {22.3}	6.31 {22.2}	6.03 {21.2}
		-30	5.12 {18.0}	5.26 {18.5}	5.23 {18.4}	5.18 {18.2}	4.89 {17.2}
		-40	3.90 {13.7}	3.95 {13.9}	3.92 {13.8}	3.87 {13.6}	3.64 {12.8}
	0957DC1C 0971DC1C	0	7.62 {26.8}	8.67 {30.5}	9.10 {32.0}	9.16 {32.2}	9.04 {31.8}
		-5	8.02 {28.2}	8.82 {31.0}	9.13 {32.1}	9.13 {32.1}	8.90 {31.3}
		-10	8.08 {28.4}	8.73 {30.7}	8.90 {31.3}	8.90 {31.3}	8.59 {30.2}
		-20	7.59 {26.7}	7.93 {27.9}	7.96 {28.0}	7.93 {27.9}	7.59 {26.7}
		-30	6.43 {22.6}	6.60 {23.2}	6.54 {23.0}	6.51 {22.9}	6.14 {21.6}
		-40	4.89 {17.2}	4.98 {17.5}	4.92 {17.3}	4.89 {17.2}	4.58 {16.1}
	1157DC1C 1171DC1C	0	9.16 {32.2}	10.4 {36.7}	10.9 {38.4}	11.0 {38.6}	10.8 {38.1}
		-5	9.61 {33.8}	10.6 {37.2}	10.9 {38.4}	11.0 {38.5}	10.7 {37.6}
		-10	9.70 {34.1}	10.4 {36.7}	10.6 {37.4}	10.7 {37.5}	10.3 {36.2}
		-20	9.13 {32.1}	9.53 {33.5}	9.56 {33.6}	9.53 {33.5}	9.07 {31.9}
		-30	7.71 {27.1}	7.91 {27.8}	7.85 {27.6}	7.79 {27.4}	7.37 {25.9}
		-40	5.86 {20.6}	5.97 {21.0}	5.92 {20.8}	5.72 {20.1}	5.49 {19.3}
	1357DC1C 1371DC1C	0	10.8 {38.1}	12.4 {43.5}	12.9 {45.5}	13.0 {45.6}	12.8 {45.1}
		-5	11.4 {40.0}	12.5 {44.1}	12.9 {45.5}	13.0 {45.6}	12.7 {44.5}
		-10	11.5 {40.4}	12.4 {43.5}	12.6 {44.3}	12.6 {44.3}	12.2 {42.9}
		-20	10.8 {37.9}	11.3 {39.6}	11.3 {39.8}	11.3 {39.7}	10.8 {37.8}
		-30	9.10 {32.0}	9.36 {32.9}	9.27 {32.6}	9.24 {32.5}	8.73 {30.7}
		-40	6.94 {24.4}	7.05 {24.8}	6.94 {24.4}	6.91 {24.3}	6.48 {22.8}

R449A

Charge type : SL <-60～-25℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	40	50
SCX-	0545BC1SL 0545DC1SL	-25	1.90 {6.69}	1.96 {6.88}	1.95 {6.86}	1.93 {6.79}	1.82 {6.39}
		-30	2.81 {9.89}	2.87 {10.1}	2.84 {10.0}	2.81 {9.89}	2.63 {9.25}
		-35	2.47 {8.69}	2.51 {8.82}	2.48 {8.71}	2.45 {8.60}	2.28 {8.01}
		-40	2.16 {7.59}	2.18 {7.67}	2.15 {7.55}	2.12 {7.45}	1.97 {6.92}
		-45	1.88 {6.62}	1.90 {6.67}	1.86 {6.55}	1.84 {6.47}	1.70 {5.99}
		-50	1.64 {5.75}	1.65 {5.79}	1.62 {5.68}	1.60 {5.61}	1.48 {5.19}
		-55	1.43 {5.03}	1.44 {5.06}	1.41 {4.97}	1.40 {4.91}	1.29 {4.53}
		-60	1.25 {4.41}	1.26 {4.44}	1.24 {4.36}	1.23 {4.31}	1.13 {3.98}
	0745BC1SL 0745DC1SL	-25	2.65 {9.32}	2.73 {9.60}	2.72 {9.55}	2.69 {9.46}	2.53 {8.89}
		-30	3.92 {13.8}	4.01 {14.1}	3.95 {13.9}	3.92 {13.8}	3.67 {12.9}
		-35	3.44 {12.1}	3.50 {12.3}	3.44 {12.1}	3.41 {12.0}	3.19 {11.2}
		-40	3.01 {10.6}	3.04 {10.7}	2.99 {10.5}	2.96 {10.4}	2.74 {9.64}
		-45	2.62 {9.22}	2.64 {9.29}	2.60 {9.13}	2.57 {9.02}	2.37 {8.35}
		-50	2.28 {8.02}	2.29 {8.06}	2.26 {7.93}	2.22 {7.82}	2.06 {7.23}
		-55	1.99 {7.01}	2.00 {7.05}	1.97 {6.93}	1.95 {6.84}	1.79 {6.31}
		-60	1.75 {6.14}	1.76 {6.19}	1.73 {6.08}	1.71 {6.01}	1.58 {5.55}
	0957DC1SL 0971DC1SL	-25	3.33 {11.7}	3.44 {12.1}	3.41 {12.0}	3.38 {11.9}	3.19 {11.2}
		-30	4.92 {17.3}	5.03 {17.7}	4.98 {17.5}	4.92 {17.3}	4.61 {16.2}
		-35	4.32 {15.2}	4.41 {15.5}	4.35 {15.3}	4.29 {15.1}	3.98 {14.0}
		-40	3.78 {13.3}	3.81 {13.4}	3.75 {13.2}	3.73 {13.1}	3.44 {12.1}
		-45	3.30 {11.6}	3.33 {11.7}	3.27 {11.5}	3.21 {11.3}	2.99 {10.5}
		-50	2.87 {10.1}	2.87 {10.1}	2.84 {10.0}	2.80 {9.84}	2.59 {9.09}
		-55	2.51 {8.81}	2.53 {8.88}	2.48 {8.72}	2.45 {8.61}	2.26 {7.95}
		-60	2.20 {7.73}	2.22 {7.79}	2.18 {7.66}	2.15 {7.56}	1.99 {6.98}
	1157DC1SL 1171DC1SL	-25	4.01 {14.1}	4.12 {14.5}	4.10 {14.4}	4.07 {14.3}	3.81 {13.4}
		-30	5.92 {20.8}	6.03 {21.2}	5.97 {21.0}	5.92 {20.8}	5.52 {19.4}
		-35	5.20 {18.3}	5.26 {18.5}	5.20 {18.3}	5.15 {18.1}	4.78 {16.8}
		-40	4.55 {16.0}	4.58 {16.1}	4.52 {15.9}	4.46 {15.7}	4.12 {14.5}
		-45	3.95 {13.9}	3.98 {14.0}	3.92 {13.8}	3.87 {13.6}	3.58 {12.6}
		-50	3.44 {12.1}	3.47 {12.2}	3.41 {12.0}	3.36 {11.8}	3.10 {10.9}
		-55	3.01 {10.6}	3.01 {10.6}	2.96 {10.4}	2.93 {10.3}	2.71 {9.53}
		-60	2.63 {9.26}	2.65 {9.33}	2.61 {9.18}	2.58 {9.06}	2.38 {8.38}
	1357DC1SL 1371DC1SL	-25	4.72 {16.6}	4.86 {17.1}	4.83 {17.0}	4.81 {16.9}	4.52 {15.9}
		-30	7.00 {24.6}	7.14 {25.1}	7.05 {24.8}	7.00 {24.6}	6.54 {23.0}
		-35	6.14 {21.6}	6.23 {21.9}	6.14 {21.6}	6.09 {21.4}	5.66 {19.9}
		-40	5.37 {18.9}	5.40 {19.0}	5.35 {18.8}	5.26 {18.5}	4.89 {17.2}
		-45	4.66 {16.4}	4.72 {16.6}	4.64 {16.3}	4.58 {16.1}	4.24 {14.9}
		-50	4.07 {14.3}	4.10 {14.4}	4.01 {14.1}	3.95 {13.9}	3.67 {12.9}
		-55	3.55 {12.5}	3.58 {12.6}	3.50 {12.3}	3.47 {12.2}	3.21 {11.3}
		-60	3.10 {10.9}	3.13 {11.0}	3.07 {10.8}	3.04 {10.7}	2.81 {9.89}