

能力に影響する補正要素

高圧側液管の圧力損失

高圧側の圧力損失は冷凍能力の低下となります。凝縮器から膨張弁までに発生する圧力損失はフラッシュガスの発生につながり、膨張弁の能力低下となりますので通常1～3℃程度の過冷却を考慮する必要があります。

低圧側配管の圧力損失補正係数

分配器や蒸発器内部の圧力損失は温度の不均衡や能力低下の原因となり、また内部均圧式膨張弁では静止過熱度の増加につながります。分配器及び蒸発器中にて圧力損失が変化した場合の補正係数です。

R134a	圧力損失 (MPa)										
	蒸発温度 (℃)	0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225
-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	圧力損失 (MPa)										
	蒸発温度 (℃)	0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225
-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	圧力損失 (MPa)										
	蒸発温度 (℃)	0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225
-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	圧力損失 (MPa)										
	蒸発温度 (℃)	0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225
-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	圧力損失 (MPa)										
	蒸発温度 (℃)	0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225
-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

压力损失 (MPa)											
蒸发温度 (°C)	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

R407H

压力损失 (MPa)											
蒸发温度 (°C)	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	0.963	0.955	0.947	0.939	0.932	0.924
-50	1.000	0.993	0.985	0.977	0.970	0.962	0.954	0.946	0.939	0.931	0.923
-40	1.000	0.992	0.985	0.977	0.969	0.961	0.953	0.945	0.937	0.929	0.921
-30	1.000	0.992	0.984	0.976	0.968	0.960	0.952	0.943	0.935	0.926	0.918
-20	1.000	0.992	0.983	0.975	0.966	0.958	0.949	0.940	0.931	0.922	0.913
-10	1.000	0.991	0.982	0.973	0.964	0.954	0.945	0.935	0.926	0.916	0.906
-5	1.000	0.991	0.981	0.971	0.962	0.952	0.942	0.932	0.922	0.912	0.901
0	1.000	0.990	0.980	0.970	0.959	0.949	0.938	0.928	0.917	0.906	0.895
5	1.000	0.989	0.978	0.967	0.956	0.945	0.933	0.922	0.910	0.898	0.886
10	1.000	0.988	0.976	0.964	0.952	0.939	0.927	0.914	0.901	0.888	0.874

R463A-J

压力损失 (MPa)											
蒸发温度 (°C)	0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225	0.25
-60	1.000	0.995	0.990	0.984	0.979	0.974	0.969	0.963	0.958	0.953	0.947
-50	1.000	0.995	0.990	0.984	0.979	0.974	0.968	0.963	0.957	0.952	0.946
-40	1.000	0.995	0.989	0.984	0.978	0.973	0.967	0.962	0.956	0.951	0.945
-30	1.000	0.994	0.989	0.983	0.978	0.972	0.966	0.960	0.955	0.949	0.943
-20	1.000	0.994	0.988	0.982	0.976	0.970	0.964	0.958	0.952	0.946	0.940
-10	1.000	0.994	0.987	0.981	0.975	0.968	0.962	0.955	0.948	0.942	0.935
-5	1.000	0.993	0.987	0.980	0.973	0.966	0.960	0.953	0.946	0.939	0.932
0	1.000	0.993	0.986	0.979	0.972	0.964	0.957	0.950	0.942	0.935	0.927
5	1.000	0.992	0.985	0.977	0.970	0.962	0.954	0.946	0.938	0.930	0.922
10	1.000	0.992	0.984	0.975	0.967	0.958	0.950	0.941	0.932	0.923	0.915

過冷却度による補正係数

通常二段圧縮装置の低段側高圧液冷媒や、ヒートエクスチェンジャー付属装置等で考えられる過冷却の度合いによる能力変化を表したものです。
 大きな過冷却度のある装置については、能力表内の値に下表の係数を乗じた値が膨張弁の能力となります。

R134a

凝縮温度	過冷却度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

凝縮温度	過冷却度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

凝縮温度	過冷却度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

凝縮温度	過冷却度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

凝縮温度	過冷却度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

凝縮温度	過冷却度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

R407H

凝縮温度	過冷却度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	1.44	-	-	-
20	1.00	1.12	1.24	1.36	1.49	1.61	-	-
30	1.00	1.14	1.27	1.41	1.55	1.69	1.83	-
38	1.00	1.16	1.32	1.48	1.64	1.80	1.96	2.12
40	1.00	1.19	1.38	1.57	1.76	1.95	2.14	2.33
50	1.00	1.24	1.48	1.71	1.95	2.18	2.42	2.66
60	1.00	1.34	1.66	1.97	2.29	2.60	2.92	3.23

R463A-J

凝縮温度	過冷却度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	1.28	1.41	1.55	1.69	-	-
30	1.00	1.16	1.32	1.48	1.64	1.80	1.96	-
38	1.00	1.19	1.38	1.57	1.76	1.96	2.15	2.34
40	1.00	1.24	1.48	1.72	1.96	2.20	2.43	2.67
50	1.00	1.35	1.68	2.00	2.32	2.64	2.96	3.28
60	1.00	1.69	2.27	2.83	3.37	3.91	4.45	4.99

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)					
形式	番号		凝縮温度 (℃)					
			30	35	38	40	45	50
ATX-	34006BMS 34006DMS	10	2.34	2.49	2.58	2.61	2.73	2.79
		5	2.33	2.40	2.46	2.48	2.55	2.62
		0	2.21	2.29	2.35	2.37	2.41	2.43
		-5	2.07	2.13	2.19	2.20	2.21	2.22
		-10	1.86	1.93	1.97	1.98	2.00	1.98
		-20	1.44	1.50	1.51	1.51	1.51	1.49
		-30	1.36	1.38	1.40	1.40	1.40	1.37
	34013BMS 34013DMS	10	5.33	5.79	6.00	6.11	6.34	6.43
		5	5.06	5.47	5.63	5.69	5.85	5.93
		0	4.66	4.90	5.01	5.05	5.16	5.21
		-5	4.22	4.37	4.45	4.49	4.54	4.59
		-10	3.88	3.97	4.02	4.05	4.07	4.07
		-20	3.22	3.24	3.28	3.27	3.28	3.27
		-30	2.59	2.80	2.93	2.93	2.93	2.90
	34023BMS 34023DMS	10	9.29	10.1	10.4	10.6	11.0	11.3
		5	9.01	9.58	9.85	9.98	10.2	10.3
		0	8.32	8.67	8.92	9.00	9.19	9.26
		-5	7.57	7.85	7.99	8.05	8.13	8.18
		-10	6.72	6.92	7.01	7.05	7.11	7.09
		-20	5.84	5.95	6.00	6.02	6.02	5.95
		-30	5.34	5.41	5.45	5.44	5.44	5.37
	34035BMS 34035DMS	10	14.3	15.5	16.0	16.3	16.9	17.4
		5	13.5	14.3	14.8	14.9	15.4	15.6
		0	12.7	13.3	13.6	13.7	14.0	14.1
		-5	11.9	12.3	12.6	12.7	12.8	12.8
		-10	10.6	10.9	11.0	11.1	11.2	11.2
		-20	9.22	9.42	9.49	9.51	9.54	9.47
		-30	8.06	8.15	8.20	8.19	8.19	8.08
34045BMS 34045DMS	10	18.5	19.8	20.6	20.8	21.6	22.3	
	5	17.3	18.3	19.0	19.2	19.8	20.0	
	0	16.2	17.0	17.4	17.4	17.8	18.0	
	-5	15.2	15.7	16.2	16.2	16.4	16.4	
	-10	13.6	14.0	14.2	14.1	14.3	14.3	
	-20	11.9	12.1	12.2	12.2	12.2	12.2	
	-30	10.8	10.9	10.9	11.0	11.0	10.9	
57060DMS	10	24.5	26.5	27.6	27.9	29.1	29.8	
	5	23.1	24.4	25.4	25.6	26.3	26.7	
	0	22.0	22.9	23.6	23.7	24.2	24.4	
	-5	20.5	21.2	21.5	21.6	21.9	22.0	
	-10	18.8	19.3	19.7	19.8	20.0	19.9	
	-20	15.6	15.8	15.9	15.9	16.0	15.8	
	-30	14.2	14.3	14.4	14.4	14.4	14.2	
57080DMS	10	32.3	34.9	36.3	36.9	38.4	39.3	
	5	30.9	32.7	33.7	34.2	35.1	35.6	
	0	29.0	30.5	31.2	31.5	32.0	32.2	
	-5	27.0	28.1	28.6	28.8	29.2	29.2	
	-10	24.5	25.4	25.7	25.7	25.8	25.9	
	-20	20.7	21.1	21.3	21.3	21.3	21.2	
	-30	18.8	19.0	19.1	19.2	19.1	18.8	
71110DMS	10	43.5	47.1	48.8	49.7	51.6	52.8	
	5	42.4	45.0	46.4	47.0	48.4	49.6	
	0	40.2	42.0	43.0	43.4	44.3	44.7	
	-5	37.1	38.5	39.2	39.5	39.9	40.0	
	-10	33.8	34.8	35.2	35.5	35.7	35.6	
	-20	27.8	28.1	28.6	28.7	28.7	28.6	
	-30	25.6	25.9	26.1	26.2	26.1	25.7	
71140DMS	10	55.4	59.9	62.1	63.3	65.7	67.1	
	5	54.1	57.3	59.1	59.8	61.4	61.6	
	0	51.3	53.7	54.9	55.5	56.5	57.0	
	-5	47.3	49.0	49.8	50.0	50.6	50.9	
	-10	42.6	43.8	44.4	44.5	45.0	44.9	
	-20	35.9	37.1	37.4	37.4	37.3	37.2	
	-30	31.6	32.0	32.2	32.3	32.1	31.7	
71160DMS	10	63.8	69.2	71.8	72.9	75.0	76.2	
	5	61.6	65.6	67.5	68.4	69.2	69.8	
	0	58.4	61.3	62.6	63.3	64.4	64.7	
	-5	53.6	55.7	56.6	57.1	57.7	58.6	
	-10	48.5	50.2	50.9	51.2	51.6	51.4	
	-20	41.3	42.1	42.6	42.6	42.7	42.1	
	-30	36.2	36.5	36.8	36.9	36.8	36.3	
12220DMS	10	90.8	98.4	102	104	108	110	
	5	84.8	90.0	92.8	94.0	96.5	97.9	
	0	79.4	83.5	85.2	86.2	87.9	88.5	
	-5	73.9	76.8	78.0	78.7	79.4	79.8	
	-10	67.1	69.1	69.9	70.4	70.9	70.8	
	-20	55.8	57.6	58.2	59.5	58.3	57.1	
	-30	51.1	51.8	52.1	52.1	51.0	51.3	

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)					
形式	番号		凝縮温度 (℃)					
			30	35	38	40	45	50
ATX-	12270DMS	10	109	117	122	124	129	133
		5	104	111	114	115	119	120
		0	97.8	102	105	106	108	109
		-5	90.5	94.0	95.6	96.3	97.3	97.8
		-10	81.8	84.7	85.7	86.3	87.0	86.8
		-20	68.5	69.9	70.5	70.6	70.8	70.1
		-30	62.6	63.3	63.7	63.8	63.6	62.8
	12330DMS	10	134	143	149	151	158	162
		5	128	135	140	141	144	147
		0	120	126	128	129	131	133
		-5	111	115	117	119	120	120
		-10	100	103	105	105	106	106
		-20	84.0	85.6	86.3	86.5	86.6	85.9
		-30	76.6	77.6	78.0	78.2	77.9	76.9
	12420DMS	10	172	185	193	195	204	213
		5	162	172	177	179	184	187
		0	152	159	163	164	167	170
		-5	140	145	149	150	151	151
		-10	128	131	134	134	135	135
		-20	106	109	110	110	110	110
		-30	95.0	96.2	96.9	97.0	96.6	95.4
	12500DMS	10	202	219	228	230	241	245
		5	192	205	211	213	219	223
		0	183	190	194	195	200	202
		-5	170	176	179	180	181	183
		-10	157	160	163	164	164	165
		-20	129	131	133	133	133	133
		-30	113	114	115	115	115	114

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)					
形式	番号		凝縮温度 (℃)					
			30	35	38	40	45	50
ATX-	34006BUS 34006DUS	10	2.35	2.44	2.47	2.47	2.41	2.31
		5	2.41	2.45	2.46	2.44	2.37	2.24
		0	2.22	2.21	2.20	2.17	2.08	1.95
		-5	2.06	2.04	2.01	1.97	1.88	1.75
		-10	1.88	1.84	1.81	1.77	1.67	1.53
		-20	1.56	1.53	1.50	1.45	1.36	1.21
		-30	1.25	1.20	1.16	1.12	1.04	-
		-40	0.94	0.90	0.87	0.83	0.76	-
	34013BUS 34013DUS	10	5.08	5.31	5.36	5.35	5.23	4.97
		5	5.16	5.26	5.27	5.23	5.05	4.75
		0	4.87	4.89	4.86	4.81	4.59	4.28
		-5	4.40	4.38	4.33	4.26	4.05	3.74
		-10	4.18	4.12	4.05	3.97	3.74	3.42
		-20	3.61	3.51	3.42	3.34	3.11	2.80
		-30	3.10	2.99	2.90	2.82	2.59	-
		-40	2.59	2.45	2.37	2.30	2.08	-
	34023BUS 34023DUS	10	9.32	9.71	9.80	9.79	9.57	9.07
		5	9.32	9.48	9.49	9.42	9.11	8.56
		0	8.57	8.60	8.54	8.44	8.08	7.55
		-5	8.16	8.08	7.97	7.86	7.46	6.90
		-10	7.23	7.10	6.98	6.85	6.46	5.95
		-20	6.25	6.07	5.92	5.78	5.38	4.88
		-30	5.13	4.92	4.78	4.65	4.27	-
		-40	4.00	3.81	3.68	3.56	3.25	-
	34035BUS 34035DUS	10	13.6	14.0	14.2	14.1	13.8	13.2
		5	13.8	14.0	14.1	13.8	13.4	12.6
		0	12.9	13.0	12.9	12.7	12.1	11.3
		-5	11.7	11.6	11.5	11.2	10.7	9.03
		-10	10.8	10.6	10.4	10.2	9.67	8.87
		-20	9.14	8.88	8.65	8.46	7.87	7.14
		-30	7.69	7.41	7.19	6.99	6.44	-
		-40	6.01	5.73	5.53	5.36	4.88	-
	34045BUS 34045DUS	10	17.4	18.0	18.2	18.1	17.8	16.9
		5	17.7	18.0	17.9	17.9	17.2	16.3
		0	16.6	16.5	16.5	16.3	15.6	14.5
		-5	15.0	14.9	14.8	14.5	13.8	12.7
		-10	13.8	13.6	13.4	13.1	12.4	11.4
		-20	11.7	11.3	11.1	10.8	10.1	9.18
		-30	9.88	9.52	9.23	8.98	8.27	-
		-40	7.72	7.37	7.10	6.89	6.27	-
	57060DUS	10	23.0	23.9	24.2	24.1	23.6	22.4
		5	23.4	24.0	23.9	23.9	23.1	21.5
0		22.2	22.2	22.1	21.8	20.9	19.5	
-5		20.5	20.4	20.1	19.7	18.8	17.4	
-10		19.2	18.9	18.6	18.2	17.2	15.8	
-20		16.3	15.9	15.5	15.1	14.0	12.7	
-30		13.8	13.3	12.9	12.5	11.5	-	
-40		11.5	11.0	10.7	10.3	9.42	-	
57080DUS	10	30.9	32.1	32.5	32.4	31.7	30.1	
	5	31.7	32.0	32.0	31.7	30.7	28.9	
	0	29.9	29.9	29.8	29.4	28.2	26.3	
	-5	27.3	27.1	26.8	26.3	25.0	23.2	
	-10	25.7	25.4	24.9	24.5	23.1	21.1	
	-20	21.8	21.2	20.7	20.1	18.8	17.0	
	-30	18.5	17.8	17.3	16.8	15.4	-	
	-40	15.4	14.8	14.3	13.8	12.5	-	
71110DUS	10	43.4	45.3	45.7	45.6	44.6	42.3	
	5	43.2	44.1	44.0	43.7	42.2	39.7	
	0	41.6	41.7	41.4	40.9	39.2	36.6	
	-5	38.7	38.4	38.0	37.3	35.5	32.7	
	-10	35.5	34.5	34.0	33.3	31.4	29.1	
	-20	31.4	30.5	29.7	28.9	27.0	24.5	
	-30	26.2	25.1	24.4	23.7	21.8	-	
	-40	22.0	20.9	20.2	19.5	17.8	-	
71140DUS	10	54.4	56.6	57.2	57.1	55.8	53.0	
	5	55.1	56.1	56.3	55.7	53.8	50.6	
	0	52.1	52.4	52.0	51.4	49.2	45.8	
	-5	48.5	48.2	47.6	46.8	44.5	41.1	
	-10	45.6	45.0	44.2	43.4	40.9	37.5	
	-20	39.3	38.1	37.2	36.4	33.8	30.7	
	-30	32.9	31.6	30.7	29.8	27.4	-	
	-40	28.0	26.7	25.7	24.8	22.6	-	
71160DUS	10	61.8	64.3	64.9	64.8	63.4	60.2	
	5	63.0	64.2	64.0	63.7	61.6	57.8	
	0	59.9	60.1	59.7	59.0	56.5	52.6	
	-5	55.2	54.7	54.0	53.2	50.5	46.8	
	-10	51.6	50.7	49.8	48.9	46.2	42.4	
	-20	44.7	43.5	42.4	41.5	38.6	34.9	
	-30	37.4	36.0	34.4	34.1	31.2	-	
	-40	31.9	30.3	29.5	28.6	25.8	-	
12220DUS	10	85.1	88.6	89.5	89.3	87.3	82.9	
	5	86.5	88.2	88.3	87.6	84.6	79.5	
	0	81.9	82.2	81.7	80.7	77.3	72.0	
	-5	76.0	75.4	74.5	73.4	69.6	64.4	
	-10	71.1	70.0	68.8	67.5	63.7	58.5	
	-20	60.7	59.0	57.5	56.2	52.3	47.3	
	-30	51.7	49.7	48.2	46.9	43.1	-	
	-40	43.7	41.7	40.2	38.9	35.4	-	

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)					
形式	番号		凝縮温度 (℃)					
			30	35	38	40	45	50
ATX-	12270DUS	10	105	109	110	110	107	102
		5	106	108	108	108	104	97.6
		0	101	101	101	101	99.6	95.3
		-5	93.7	93.1	91.9	90.5	85.9	79.4
		-10	87.4	86.0	84.6	83.1	78.3	71.8
		-20	75.0	72.9	71.0	69.5	64.6	58.5
		-30	63.6	61.2	59.3	57.7	53.1	-
		-40	53.6	51.1	49.3	47.8	43.5	-
	12330DUS	10	128	133	134	134	131	124
		5	130	132	132	131	127	119
		0	123	124	123	122	116	108
		-5	114	112	112	109	104	96.4
		-10	107	106	104	102	95.9	88.0
		-20	91.5	88.9	86.6	84.7	78.8	71.3
		-30	77.6	74.7	72.4	70.4	64.9	-
		-40	65.4	62.4	60.1	58.3	53.1	-
	12420DUS	10	162	176	178	176	173	158
		5	165	167	168	166	161	152
		0	160	160	159	157	150	141
		-5	150	148	147	144	137	127
		-10	142	140	137	134	127	116
		-20	122	118	116	113	106	95.6
		-30	104	100	97.1	94.5	87.0	-
		-40	88.6	84.4	81.4	78.8	71.8	-
	12500DUS	10	193	201	203	203	198	188
		5	196	200	200	198	191	181
		0	191	191	190	188	180	167
		-5	179	177	175	172	163	151
		-10	169	166	163	160	150	139
		-20	146	141	139	136	126	115
		-30	124	120	116	112	104	-
		-40	106	101	97.3	94.4	85.8	-

*表中の「-」部分は実用上望ましい条件ではありません。

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)				
形式	番号		凝縮温度 (℃)				
			20	30	38	40	50
ATX-	34006BUSL 34006DUSL	-25	1.46	1.43	1.34	1.32	1.05
		-30	1.28	1.25	1.16	1.14	0.90
	34013BUSL 34013DUSL	-40	1.06	1.02	0.93	0.91	0.70
		-50	0.71	0.68	0.61	0.60	0.45
	34023BUSL 34023DUSL	-60	0.49	0.46	0.41	0.40	0.29
		-25	3.42	3.37	3.18	3.09	2.58
	34035BUSL 34035DUSL	-30	3.18	3.10	2.90	2.82	2.33
		-40	2.70	2.59	2.40	2.32	1.87
	34045BUSL 34045DUSL	-50	2.04	1.94	1.77	1.71	1.35
		-60	1.40	1.32	1.20	1.15	0.88
	57060DUSL	-25	5.77	5.68	5.34	5.20	4.34
		-30	5.26	5.13	4.78	4.65	3.84
	57080DUSL	-40	4.16	4.00	3.68	3.57	2.88
		-50	3.24	3.08	2.81	2.71	2.13
	71110DUSL	-60	1.96	1.85	1.67	1.61	1.23
		-25	8.64	8.51	8.01	7.80	6.52
	71140DUSL	-30	7.88	7.69	7.19	6.99	5.77
		-40	6.27	6.02	5.56	5.39	4.34
	71160DUSL	-50	4.64	4.40	4.02	3.88	3.06
		-60	3.46	3.27	2.96	2.85	2.18
	12220DUSL	-25	11.4	11.2	10.6	10.3	8.61
		-30	10.1	9.88	9.23	8.98	7.42
	12270DUSL	-40	8.36	8.02	7.40	7.17	5.78
		-50	6.55	6.22	5.68	5.49	4.32
	12330DUSL	-60	4.80	4.53	4.10	3.95	3.03
		-25	15.3	15.1	14.2	13.8	11.5
	12420DUSL	-30	14.2	13.8	12.9	12.5	10.3
		-40	12.1	11.6	10.7	10.3	8.32
	12500DUSL	-50	9.21	8.75	8.00	7.69	6.05
		-60	6.05	5.71	5.18	4.96	3.81
	12220DUSL	-25	20.7	20.3	19.2	18.7	15.6
		-30	19.0	18.5	17.3	16.8	13.9
	12270DUSL	-40	16.1	15.5	14.3	13.8	11.2
		-50	12.5	11.9	10.8	10.4	8.22
	12330DUSL	-60	8.15	7.69	6.96	6.70	5.14
		-25	29.2	28.8	27.0	26.3	22.0
	12420DUSL	-30	26.9	26.2	24.4	23.7	19.6
		-40	22.9	22.0	20.3	19.6	15.8
	12500DUSL	-50	16.3	15.5	14.1	13.6	10.7
		-60	10.9	10.3	9.28	8.92	6.84
	12220DUSL	-25	36.6	36.1	33.9	33.0	27.6
		-30	33.7	32.9	30.7	29.8	24.6
	12270DUSL	-40	29.1	28.0	25.8	24.9	20.1
		-50	21.2	20.2	18.4	17.7	13.9
	12330DUSL	-60	13.8	13.0	11.8	11.3	8.70
		-25	41.7	41.1	38.7	37.8	31.6
	12420DUSL	-30	38.3	37.4	35.0	34.1	28.2
		-40	30.4	31.9	29.5	28.6	23.1
12500DUSL	-50	24.3	23.1	21.1	20.4	16.1	
	-60	15.9	15.0	13.6	13.1	10.1	
12220DUSL	-25	57.1	56.2	52.8	51.5	43.0	
	-30	53.0	51.7	48.2	46.9	38.7	
12270DUSL	-40	45.6	43.8	40.4	39.1	31.5	
	-50	33.5	31.8	29.0	28.0	22.1	
12330DUSL	-60	22.0	20.7	18.7	18.0	13.8	
	-25	70.4	69.3	65.1	63.4	53.0	
12420DUSL	-30	65.2	63.6	59.3	57.6	47.6	
	-40	56.0	53.8	49.5	47.9	38.7	
12500DUSL	-50	40.8	38.7	35.3	34.0	26.8	
	-60	26.6	25.1	22.6	21.8	16.7	
12220DUSL	-25	86.0	84.7	79.6	77.6	64.8	
	-30	79.5	77.6	72.4	70.4	58.1	
12270DUSL	-40	68.2	65.5	60.3	58.4	47.1	
	-50	50.1	47.6	43.4	41.9	33.0	
12330DUSL	-60	32.4	30.6	27.6	26.6	20.4	
	-25	115	113	107	104	87.1	
12420DUSL	-30	106	104	97.1	94.6	78.1	
	-40	92.1	88.4	81.6	79.3	63.9	
12500DUSL	-50	68.8	65.3	59.7	57.8	45.5	
	-60	45.6	43.0	39.0	37.6	28.9	
12220DUSL	-25	137	135	127	123	103	
	-30	127	124	116	112	92.5	
12270DUSL	-40	110	106	97.7	94.0	75.8	
	-50	81.4	77.3	70.7	67.8	53.3	
12330DUSL	-60	54.3	51.3	46.5	44.4	34.1	

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)					
形式	番号		凝縮温度 (℃)					
			30	35	38	40	45	50
ATX-	34006BPS 34006DPS	10	3.16	3.42	3.54	3.59	3.69	3.70
		5	3.27	3.43	3.51	3.54	3.60	3.62
		0	3.15	3.27	3.32	3.34	3.37	3.36
		-5	3.07	3.13	3.17	3.18	3.19	3.14
		-10	2.81	2.49	2.91	2.91	2.91	2.86
		-20	2.40	2.43	2.44	2.43	2.41	2.37
		-30	1.96	1.95	1.96	1.95	1.94	-
		-40	1.64	1.61	1.61	1.61	1.57	-
		10	7.06	7.56	7.79	7.79	8.11	8.18
		5	7.22	7.57	7.74	7.81	7.93	7.93
0	6.62	6.90	7.01	7.06	7.12	7.08		
-5	6.03	6.19	6.27	6.28	6.30	6.25		
-10	5.80	5.05	5.93	5.93	5.92	5.85		
-20	5.08	5.13	5.15	5.14	5.10	4.99		
-30	4.50	4.51	4.51	4.49	4.43	-		
-40	3.90	3.88	3.88	3.86	3.79	-		
10	12.1	12.9	13.3	13.5	13.8	14.0		
5	12.1	12.8	13.0	13.1	13.3	13.4		
0	11.4	11.9	12.1	12.1	12.2	12.2		
-5	10.9	11.3	11.4	11.4	11.5	11.3		
-10	9.80	9.99	10.1	10.1	10.1	9.86		
-20	8.69	8.75	8.78	8.75	8.68	8.51		
-30	7.34	7.34	7.34	7.31	7.21	-		
-40	5.90	5.90	5.89	5.86	5.76	-		
10	18.1	19.4	20.0	20.3	20.9	21.1		
5	18.5	19.4	20.0	20.1	20.4	20.5		
0	17.6	18.1	18.5	18.5	18.8	18.7		
-5	16.1	16.4	16.7	16.7	16.8	16.6		
-10	14.9	15.2	15.3	15.2	15.3	15.1		
-20	12.9	13.0	13.0	13.0	12.8	12.6		
-30	11.2	11.3	11.2	11.2	11.0	-		
-40	9.07	9.07	9.05	9.00	8.85	-		
10	23.2	24.9	25.7	26.0	26.7	27.0		
5	23.7	24.9	25.3	25.7	26.1	26.3		
0	22.5	23.4	23.8	23.9	24.1	24.0		
-5	20.7	21.2	21.5	21.5	21.6	21.4		
-10	19.2	19.5	19.6	19.6	19.5	19.4		
-20	16.5	16.6	16.7	16.6	16.5	16.2		
-30	14.3	14.4	14.4	14.4	14.2	-		
-40	11.7	11.7	11.6	11.6	11.4	-		
10	31.9	34.3	35.4	35.9	36.8	37.2		
5	32.7	34.3	35.1	35.4	36.0	36.1		
0	31.2	32.4	33.0	33.1	33.5	33.3		
-5	29.1	30.0	30.3	30.3	30.5	30.2		
-10	27.5	28.1	28.3	28.2	28.3	27.9		
-20	23.9	24.1	24.2	24.0	23.9	23.4		
-30	20.8	20.8	20.8	20.7	20.5	-		
-40	18.1	18.0	18.0	18.0	17.6	-		
10	42.7	45.8	47.3	48.0	49.2	49.8		
5	43.7	46.0	47.1	47.5	48.3	48.3		
0	41.9	43.5	44.2	44.4	44.9	44.6		
-5	38.7	39.7	40.2	40.3	40.4	40.0		
-10	36.8	37.5	37.8	37.8	37.7	37.2		
-20	31.8	32.2	32.2	32.2	31.8	31.2		
-30	27.9	28.0	27.9	27.8	27.4	-		
-40	24.1	24.0	24.0	23.9	23.4	-		
10	60.7	64.2	66.2	67.1	68.9	69.6		
5	60.0	63.0	64.3	65.0	66.2	66.2		
0	58.1	60.3	61.3	61.7	62.1	61.8		
-5	54.5	55.9	56.6	56.8	56.9	56.4		
-10	50.5	51.5	51.9	52.0	51.8	51.2		
-20	45.7	46.1	46.2	46.1	45.6	44.8		
-30	39.3	39.3	39.3	39.1	38.6	-		
-40	34.1	34.1	34.1	33.9	33.4	-		
10	74.7	80.2	82.7	83.9	86.2	86.9		
5	76.2	80.1	81.9	82.6	83.9	84.1		
0	72.7	75.5	76.7	77.1	77.8	77.4		
-5	68.2	69.6	70.4	70.7	70.9	70.5		
-10	64.7	66.1	66.5	66.5	66.4	65.6		
-20	57.1	57.6	57.8	57.6	57.1	56.0		
-30	49.2	49.4	49.4	49.1	48.5	-		
-40	43.3	43.3	43.2	43.2	42.2	-		
10	85.4	91.7	94.6	96.0	98.5	99.4		
5	87.6	92.1	94.2	95.1	96.6	96.8		
0	84.0	87.2	88.5	89.0	89.8	89.5		
-5	78.1	80.3	81.2	81.4	81.6	80.8		
-10	73.6	75.1	75.7	75.7	75.5	74.5		
-20	64.9	66.1	66.2	66.1	65.4	64.2		
-30	56.3	56.8	56.5	56.2	55.5	-		
-40	49.6	49.8	49.5	49.3	48.4	-		
10	118	127	131	133	136	137		
5	121	126	130	131	132	134		
0	115	120	122	122	123	123		
-5	108	111	112	112	113	111		
-10	102	104	105	105	104	103		
-20	88.8	89.6	89.8	89.7	88.8	87.0		
-30	77.7	78.1	78.0	77.7	76.6	-		
-40	68.2	68.2	68.0	67.7	66.6	-		

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)					
形式	番号		凝縮温度 (℃)					
			30	35	38	40	45	50
ATX-	12270DPS	10	144	153	158	160	164	167
		5	146	154	158	160	161	162
		0	140	145	148	149	150	150
		-5	132	134	136	136	136	135
		-10	124	125	127	126	126	126
		-20	108	110	110	110	109	106
		-30	94.5	94.9	94.8	94.4	93.1	-
		-40	82.7	82.7	82.5	82.1	80.8	-
		10	175	188	194	197	202	204
		5	180	188	193	194	198	199
0	172	178	182	182	184	183		
-5	161	164	167	167	168	166		
-10	152	155	157	156	156	154		
-20	133	135	135	134	133	131		
-30	116	117	116	116	114	-		
-40	101	101	101	101	99.0	-		
10	222	238	246	250	256	259		
5	227	238	245	248	251	252		
0	222	231	234	235	237	236		
-5	210	216	218	218	219	217		
-10	200	203	206	206	204	203		
-20	178	179	180	179	178	175		
-30	155	155	155	154	152	-		
-40	136	136	137	136	133	-		
10	267	286	295	300	307	310		
5	273	287	293	295	300	301		
0	266	277	282	283	285	284		
-5	253	259	262	263	264	261		
-10	241	246	248	248	248	244		
-20	214	214	216	214	213	209		
-30	186	187	187	186	184	-		
-40	165	164	164	163	160	-		

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)					
形式	番号		凝縮温度 (℃)					
			30	35	38	40	45	50
ATX-	34006BC1S 34006DC1S	10	2.96	3.23	3.27	3.31	3.36	3.33
		5	3.12	3.28	3.30	3.32	3.32	3.31
		0	2.84	2.95	2.96	2.97	2.96	2.92
		-5	2.86	2.91	2.90	2.90	2.86	2.80
		-10	2.53	2.60	2.59	2.58	2.54	2.47
		-20	2.16	2.17	2.17	2.15	2.09	2.04
		-30	1.75	1.74	1.73	1.72	1.67	-
		-40	1.45	1.42	1.41	1.40	1.34	-
		10	6.27	6.78	6.86	6.94	7.05	7.05
		5	6.57	6.90	6.94	6.99	7.00	6.92
	0	5.98	6.25	6.26	6.29	6.25	6.17	
	-5	5.62	5.75	5.75	5.74	5.66	5.56	
	-10	5.22	5.29	5.27	5.27	5.17	5.07	
	-20	4.57	4.59	4.57	4.54	4.42	4.31	
	-30	4.02	4.01	3.97	3.94	3.81	-	
	-40	3.46	3.42	3.39	3.36	3.23	-	
	10	10.9	11.7	11.9	12.0	12.2	12.4	
	5	11.2	11.8	11.9	11.9	11.9	11.9	
	0	10.3	10.7	10.7	10.8	10.7	10.6	
	-5	10.2	10.4	10.4	10.4	10.3	10.1	
	-10	8.83	8.98	8.95	8.93	8.77	8.55	
	-20	7.80	7.84	7.78	7.74	7.54	7.33	
	-30	6.56	6.53	6.46	6.42	6.21	-	
	-40	5.24	5.21	5.15	5.10	4.92	-	
	10	16.4	17.7	17.9	18.2	18.5	18.5	
	5	17.1	18.0	18.1	18.2	18.3	18.2	
	0	15.9	16.4	16.5	16.5	16.5	16.2	
	-5	15.0	15.2	15.3	15.3	15.0	14.8	
	-10	13.4	13.7	13.6	13.5	13.3	13.0	
	-20	11.5	11.6	11.6	11.5	11.1	10.9	
	-30	9.96	10.0	9.86	9.87	9.47	-	
	-40	8.05	8.00	7.91	7.84	7.55	-	
	10	21.0	22.7	23.0	23.3	23.6	23.7	
	5	21.9	23.1	23.3	23.4	23.4	23.3	
	0	20.3	21.2	21.2	21.3	21.1	20.9	
	-5	19.3	19.0	19.6	19.6	19.4	19.0	
	-10	17.3	17.6	17.4	17.4	17.0	16.7	
	-20	14.8	14.8	14.8	14.7	14.3	14.0	
	-30	12.7	12.8	12.7	12.6	12.2	-	
	-40	10.4	10.3	10.2	10.1	9.75	-	
	10	28.9	31.2	31.7	32.1	32.6	32.5	
	5	30.3	31.8	32.0	32.1	32.3	32.1	
	0	28.2	29.3	29.4	29.5	29.4	29.0	
	-5	27.1	27.8	27.7	27.7	27.3	26.9	
	-10	24.7	25.2	25.2	25.1	24.6	24.1	
	-20	21.4	21.5	21.4	21.2	20.7	20.2	
	-30	18.5	18.6	18.4	18.2	17.6	-	
	-40	16.0	15.9	15.8	15.7	15.1	-	
	10	38.6	41.8	42.3	42.9	43.5	43.6	
	5	40.5	42.6	42.9	43.2	43.3	43.0	
	0	37.8	39.3	39.4	39.6	39.4	38.9	
	-5	36.0	36.8	36.8	36.8	36.3	35.6	
	-10	33.1	33.7	33.6	33.5	33.0	32.3	
	-20	28.6	28.8	28.5	28.4	27.5	26.9	
	-30	24.9	24.8	24.6	24.4	23.6	-	
	-40	21.4	21.2	21.0	20.8	20.0	-	
	10	54.9	58.6	59.2	60.0	60.9	60.8	
	5	55.6	58.4	58.8	59.2	59.4	58.9	
	0	52.5	54.6	54.7	54.9	54.5	53.8	
	-5	50.9	52.0	51.8	51.9	51.1	50.3	
	-10	45.4	46.3	46.2	46.2	45.2	44.3	
	-20	41.0	41.2	41.0	40.7	39.6	38.6	
	-30	35.1	34.9	34.6	34.3	33.2	-	
	-40	30.2	30.1	29.8	29.5	28.5	-	
	10	67.6	73.2	74.0	75.0	76.2	76.1	
	5	70.5	74.2	74.6	75.1	75.3	74.7	
	0	65.6	68.4	68.5	68.7	68.4	67.4	
	-5	63.6	64.7	64.5	64.5	63.7	62.7	
	-10	58.3	59.4	59.1	59.1	58.0	56.8	
	-20	51.2	51.6	51.3	50.9	49.6	48.3	
	-30	44.0	43.9	43.5	43.1	41.7	-	
	-40	38.5	38.2	37.7	37.7	36.0	-	
	10	77.3	83.7	84.8	85.8	87.2	86.9	
	5	81.1	85.4	86.0	86.4	86.8	86.0	
	0	75.9	78.9	79.0	79.2	78.9	77.9	
	-5	72.8	74.5	74.4	74.4	71.2	71.9	
	-10	68.4	67.6	67.3	67.2	65.9	64.6	
	-20	58.3	59.1	58.7	58.4	56.8	55.3	
	-30	50.3	50.2	49.7	49.3	47.8	-	
	-40	44.0	43.8	43.3	42.9	41.3	-	
	10	107	116	117	118	120	120	
	5	111	117	118	118	118	119	
	0	104	108	109	109	108	107	
	-5	101	102	102	102	101	99.1	
	-10	91.7	93.3	92.7	92.9	91.2	89.3	
	-20	79.7	80.2	79.6	79.2	77.0	75.0	
	-30	69.4	69.4	68.7	68.3	65.9	-	
	-40	60.5	60.1	59.4	58.9	56.8	-	
	10	130	140	142	143	145	145	
	5	135	143	145	145	144	144	
	0	127	132	132	132	132	130	
	-5	123	124	125	125	122	120	
	-10	112	113.0	113	112	110	109	
	-20	97.4	98.1	97.5	96.7	94.7	91.9	
	-30	84.4	84.3	83.5	82.9	80.2	-	
	-40	73.4	73.0	72.1	71.5	68.9	-	

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)					
形式	番号		凝縮温度 (℃)					
			30	35	38	40	45	50
ATX-	12330DC1S	10	158	171	174	176	176	179
		5	166	174	176	177	177	177
		0	155	161	162	162	162	160
		-5	150	152	153	153	150	148
		-10	137	140	140	139	137	134
		-20	120	120	120	119	116	113
		-30	103	104	102	102	98.1	-
		-40	90.0	89.5	88.4	87.7	84.4	-
		10	201	217	220	223	226	226
		5	210	221	223	224	225	224
	0	200	208	209	209	208	206	
	-5	196	200	200	199	196	194	
	-10	187	183	183	182	179	176	
	-20	160	159	160	158	155	151	
	-30	138	137	136	135	131	-	
	-40	120	120	120	119	114	-	
	10	242	261	264	268	271	271	
	5	253	266	268	268	270	267	
	0	241	251	251	252	251	247	
	-5	235	240	240	240	237	233	
	-10	217	222	221	220	216	212	
	-20	192	192	191	190	185	180	
	-30	166	166	165	164	158	-	
	-40	146	144	143	142	136	-	

R448A
封入方式：C <-40~10℃>

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)					
形式	番号		凝縮温度 (℃)					
			30	35	38	40	45	50
ATX-	34006BC1C 34006DC1C	10	2.96	3.23	3.27	3.31	3.36	3.33
		5	3.12	3.28	3.30	3.32	3.32	3.31
		0	2.84	2.95	2.96	2.97	2.96	2.92
		-5	2.86	2.91	2.90	2.90	2.86	2.80
		-10	2.53	2.60	2.59	2.58	2.54	2.47
		-20	2.16	2.17	2.17	2.15	2.09	2.04
		-30	1.75	1.74	1.73	1.72	1.67	-
		-40	1.45	1.42	1.41	1.40	1.34	-
	34013BC1C 34013DC1C	10	6.27	6.78	6.86	6.94	7.05	7.05
		5	6.57	6.90	6.94	6.99	7.00	6.92
		0	5.98	6.25	6.26	6.29	6.25	6.17
		-5	5.62	5.75	5.75	5.74	5.66	5.56
		-10	5.22	5.29	5.27	5.27	5.17	5.07
		-20	4.57	4.59	4.57	4.54	4.42	4.31
		-30	4.02	4.01	3.97	3.94	3.81	-
		-40	3.46	3.42	3.39	3.36	3.23	-
	34023BC1C 34023DC1C	10	10.9	11.7	11.9	12.0	12.2	12.4
		5	11.2	11.8	11.9	11.9	11.9	11.9
		0	10.3	10.7	10.7	10.8	10.7	10.6
		-5	10.2	10.4	10.4	10.4	10.3	10.1
-10		8.83	8.98	8.95	8.93	8.77	8.55	
-20		7.80	7.84	7.78	7.74	7.54	7.33	
-30		6.56	6.53	6.46	6.42	6.21	-	
-40		5.24	5.21	5.15	5.10	4.92	-	
34035BC1C 34035DC1C	10	16.4	17.7	17.9	18.2	18.5	18.5	
	5	17.1	18.0	18.1	18.2	18.3	18.2	
	0	15.9	16.4	16.5	16.5	16.5	16.2	
	-5	15.0	15.2	15.3	15.3	15.0	14.8	
	-10	13.4	13.7	13.6	13.5	13.3	13.0	
	-20	11.5	11.6	11.6	11.5	11.1	10.9	
	-30	9.96	10.0	9.86	9.87	9.47	-	
	-40	8.05	8.00	7.91	7.84	7.55	-	
34045BC1C 34045DC1C	10	21.0	22.7	23.0	23.3	23.6	23.7	
	5	21.9	23.1	23.3	23.4	23.4	23.3	
	0	20.3	21.2	21.2	21.3	21.1	20.9	
	-5	19.3	19.0	19.6	19.6	19.4	19.0	
	-10	17.3	17.6	17.4	17.4	17.0	16.7	
	-20	14.8	14.8	14.8	14.7	14.3	14.0	
	-30	12.7	12.8	12.7	12.6	12.2	-	
	-40	10.4	10.3	10.2	10.1	9.75	-	
57060DC1C	10	28.9	31.2	31.7	32.1	32.6	32.5	
	5	30.3	31.8	32.0	32.1	32.3	32.1	
	0	28.2	29.3	29.4	29.5	29.4	29.0	
	-5	27.1	27.8	27.7	27.7	27.3	26.9	
	-10	24.7	25.2	25.2	25.1	24.6	24.1	
	-20	21.4	21.5	21.4	21.2	20.7	20.2	
	-30	18.5	18.6	18.4	18.2	17.6	-	
	-40	16.0	15.9	15.8	15.7	15.1	-	
57080DC1C	10	38.6	41.8	42.3	42.9	43.5	43.6	
	5	40.5	42.6	42.9	43.2	43.3	43.0	
	0	37.8	39.3	39.4	39.6	39.4	38.9	
	-5	36.0	36.8	36.8	36.8	36.3	35.6	
	-10	33.1	33.7	33.6	33.5	33.0	32.3	
	-20	28.6	28.8	28.5	28.4	27.5	26.9	
	-30	24.9	24.8	24.6	24.4	23.6	-	
	-40	21.4	21.2	21.0	20.8	20.0	-	
71110DC1C	10	54.9	58.6	59.2	60.0	60.9	60.8	
	5	55.6	58.4	58.8	59.2	59.4	58.9	
	0	52.5	54.6	54.7	54.9	54.5	53.8	
	-5	50.9	52.0	51.8	51.9	51.1	50.3	
	-10	45.4	46.3	46.2	46.2	45.2	44.3	
	-20	41.0	41.2	41.0	40.7	39.6	38.6	
	-30	35.1	34.9	34.6	34.3	33.2	-	
	-40	30.2	30.1	29.8	29.5	28.5	-	
71140DC1C	10	67.6	73.2	74.0	75.0	76.2	76.1	
	5	70.5	74.2	74.6	75.1	75.3	74.7	
	0	65.6	68.4	68.5	68.7	68.4	67.4	
	-5	63.6	64.7	64.5	64.5	63.7	62.7	
	-10	58.3	59.4	59.1	59.1	58.0	56.8	
	-20	51.2	51.6	51.3	50.9	49.6	48.3	
	-30	44.0	43.9	43.5	43.1	41.7	-	
	-40	38.5	38.2	37.7	37.7	36.0	-	
71160DC1C	10	77.3	83.7	84.8	85.8	87.2	86.9	
	5	81.1	85.4	86.0	86.4	86.8	86.0	
	0	75.9	78.9	79.0	79.2	78.9	77.9	
	-5	72.8	74.5	74.4	74.4	71.2	71.9	
	-10	68.4	67.6	67.3	67.2	65.9	64.6	
	-20	58.3	59.1	58.7	58.4	56.8	55.3	
	-30	50.3	50.2	49.7	49.3	47.8	-	
	-40	44.0	43.8	43.3	42.9	41.3	-	
12220DC1C	10	107	116	117	118	120	120	
	5	111	117	118	118	118	119	
	0	104	108	109	109	108	107	
	-5	101	102	102	102	101	99.1	
	-10	91.7	93.3	92.7	92.9	91.2	89.3	
	-20	79.7	80.2	79.6	79.2	77.0	75.0	
	-30	69.4	69.4	68.7	68.3	65.9	-	
	-40	60.5	60.1	59.4	58.9	56.8	-	
12270DC1C	10	130	140	142	143	145	145	
	5	135	143	145	145	144	144	
	0	127	132	132	132	132	130	
	-5	123	124	125	125	122	120	
	-10	112	113	113	112	110	109	
	-20	97.4	98.1	97.5	96.7	94.7	91.9	
	-30	84.4	84.3	83.5	82.9	80.2	-	
	-40	73.4	73.0	72.1	71.5	68.9	-	

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)					
形式	番号		凝縮温度 (℃)					
			30	35	38	40	45	50
ATX-	12330DC1C	10	158	171	174	176	179	179
		5	166	174	176	177	177	177
		0	155	161	162	162	162	160
		-5	150	152	153	153	150	148
		-10	137	140	140	139	137	134
		-20	120	120	120	119	116	113
		-30	103	104	102	102	98.1	-
		-40	90.0	89.5	88.4	87.7	84.4	-
	12420DC1C	10	201	217	220	223	226	226
		5	210	221	223	224	225	224
		0	200	208	209	209	208	206
		-5	196	200	200	199	196	194
		-10	187	183	183	182	179	176
		-20	160	159	160	158	155	151
		-30	138	137	136	135	131	-
		-40	120	120	120	119	114	-
	12500DC1C	10	242	261	264	268	271	271
		5	253	266	268	268	270	267
		0	241	251	251	252	251	247
		-5	235	240	240	240	237	233
-10		217	222	221	220	216	212	
-20		192	192	191	190	185	180	
-30		166	166	165	164	158	-	
-40		146	144	143	142	136	-	

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封入方式：SL <-60~-25℃>

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)				
形式	番号		凝縮温度 (℃)				
			20	30	38	40	50
ATX-	34006BC1SL	-25	1.96	2.02	2.01	2.00	1.88
		-30	1.74	1.78	1.76	1.75	1.63
	34006DC1SL	-40	1.47	1.49	1.46	1.45	1.35
		-50	1.02	1.03	1.01	1.00	0.92
	34013BC1SL	-60	0.73	0.73	0.72	0.71	0.66
		-25	4.65	4.79	4.76	4.74	4.46
		-30	4.37	4.47	4.42	4.39	4.11
		-40	3.79	3.84	3.77	3.75	3.48
		-50	2.95	2.98	2.92	2.89	2.67
		-60	2.13	2.15	2.11	2.09	1.94
	34023BC1SL	-25	7.84	8.08	8.03	7.99	7.52
		-30	7.21	7.37	7.29	7.24	6.78
		-40	5.84	5.91	5.81	5.77	5.36
		-50	4.68	4.72	4.62	4.58	4.24
	34023DC1SL	-60	2.96	2.99	2.93	2.91	2.69
		-25	11.7	12.1	12.0	12.0	11.3
	34035BC1SL	-30	10.8	11.0	10.9	10.9	10.2
		-40	8.80	8.91	8.76	8.69	8.08
	34035DC1SL	-50	6.69	6.75	6.61	6.55	6.06
		-60	5.25	5.30	5.20	5.16	4.77
	34045BC1SL	-25	15.5	16.0	15.9	15.8	14.9
		-30	13.9	14.2	14.0	14.0	13.1
	34045DC1SL	-40	11.7	11.8	11.6	11.6	10.7
		-50	9.46	9.53	9.34	9.26	8.56
	57060DC1SL	-60	7.27	7.34	7.20	7.14	6.60
		-25	20.8	21.4	21.3	21.2	20.0
	57080DC1SL	-30	19.4	19.8	19.6	19.5	18.2
		-40	16.9	17.1	16.8	16.7	15.5
	71110DC1SL	-50	13.3	13.4	13.1	13.0	12.0
		-60	9.21	9.30	9.12	9.04	8.37
	71140DC1SL	-25	28.1	29.0	28.8	28.6	27.0
		-30	26.1	26.6	26.3	26.2	24.5
	71160DC1SL	-40	22.6	22.9	22.5	22.3	20.8
		-50	18.0	18.1	17.8	17.6	16.3
	12220DC1SL	-60	12.4	12.5	12.3	12.2	11.3
		-25	35.5	36.6	36.4	36.2	34.1
	12270DC1SL	-30	32.9	33.7	33.3	33.1	31.0
		-40	28.8	29.1	28.6	28.4	26.4
	12330DC1SL	-50	21.1	21.2	20.8	20.6	19.0
		-60	14.7	14.9	14.6	14.5	13.4
	12420DC1SL	-25	49.6	51.2	50.9	50.6	47.6
		-30	46.2	47.2	46.7	46.4	43.4
	12500DC1SL	-40	40.7	41.3	40.5	40.2	37.4
		-50	30.6	30.9	30.2	30.0	27.7
	12220DC1SL	-60	20.9	21.2	20.7	20.6	19.0
		-25	69.5	71.7	71.3	70.9	66.7
	12270DC1SL	-30	64.6	66.1	65.3	64.9	60.8
		-40	57.3	58.0	57.0	56.6	52.6
	12330DC1SL	-50	43.3	43.6	42.7	42.4	39.2
		-60	29.8	30.1	29.5	29.3	27.1
	12420DC1SL	-25	91.0	93.9	93.3	92.8	87.4
		-30	85.3	87.2	86.2	85.7	80.3
	12500DC1SL	-40	75.0	75.9	74.6	74.1	68.9
		-50	56.8	57.3	56.1	55.6	51.4
	12220DC1SL	-60	39.1	39.4	38.7	38.4	35.5
		-25	110	114	113	113	106
	12270DC1SL	-30	103	106	104	104	97.1
		-40	90.7	91.9	90.3	89.6	83.3
	12330DC1SL	-50	67.8	68.4	66.9	66.4	61.4
		-60	46.5	47.0	46.1	45.7	42.3
	12420DC1SL	-25	133	137	136	136	128
		-30	125	127	126	125	117
	12500DC1SL	-40	109	110	108	108	100
		-50	82.5	83.1	81.4	80.7	74.6
	12220DC1SL	-60	55.8	56.4	55.3	54.8	50.7
		-25	175	181	179	178	168
	12270DC1SL	-30	164	167	165	164	154
		-40	144	146	144	143	133
	12330DC1SL	-50	111	112	110	109	101
		-60	77.3	78.1	76.6	75.9	70.2
	12420DC1SL	-25	220	227	226	225	211
		-30	206	211	208	207	194
	12500DC1SL	-40	183	185	182	180	168
		-50	139	140	137	136	126
	12220DC1SL	-60	97.5	98.5	96.6	95.8	88.6

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)					
形式	番号		凝縮温度 (℃)					
			30	35	38	40	45	50
ATX-	34006BC1S 34006DC1S	10	2.93	3.14	3.23	3.26	3.31	3.28
		5	3.01	3.14	3.19	3.21	3.22	3.20
	0	2.80	2.89	2.92	2.93	2.93	2.88	
	-5	2.73	2.77	2.78	2.79	2.76	2.69	
	-10	2.50	2.55	2.55	2.54	2.51	2.43	
	-20	2.13	2.13	2.13	2.12	2.07	2.01	
	-30	1.73	1.71	1.70	1.69	1.65	-	
	-40	1.43	1.39	1.39	1.37	1.33	-	
	10	6.19	6.60	6.77	6.85	6.95	6.95	
	5	6.33	6.60	6.72	6.76	6.79	6.70	
0	5.91	6.12	6.18	6.20	6.18	6.08		
-5	5.37	5.48	5.51	5.50	5.46	5.35		
-10	5.15	5.18	5.20	5.19	5.12	4.99		
-20	4.50	4.51	4.50	4.47	4.38	4.23		
-30	3.96	3.94	3.91	3.87	3.77	-		
-40	3.41	3.36	3.33	3.30	3.19	-		
10	10.8	11.4	11.8	11.8	12.0	12.2		
5	10.8	11.3	11.5	11.5	11.5	11.5		
0	10.2	10.5	10.6	10.7	10.6	10.4		
-5	9.72	9.93	10.0	10.0	10.0	9.69		
-10	8.71	8.81	8.82	8.80	8.67	8.41		
-20	7.70	7.70	7.67	7.61	7.46	7.21		
-30	6.46	6.41	6.36	6.31	6.14	-		
-40	5.15	5.11	5.06	5.01	4.86	-		
10	16.2	17.2	17.7	17.9	18.2	18.2		
5	16.5	17.2	17.5	17.6	17.7	17.6		
0	15.7	16.1	16.3	16.2	16.3	16.0		
-5	14.3	14.5	14.7	14.6	14.5	14.2		
-10	13.3	13.4	13.4	13.3	13.2	12.8		
-20	11.3	11.4	11.4	11.3	11.0	10.7		
-30	9.82	9.8	9.71	9.70	9.37	-		
-40	7.92	7.85	7.77	7.69	7.46	-		
10	20.8	22.1	22.7	23.0	23.3	23.3		
5	21.2	22.1	22.5	22.6	22.7	22.6		
0	20.1	20.8	20.9	21.0	20.9	20.6		
-5	18.4	18.1	18.8	18.8	18.7	18.3		
-10	17.0	17.2	17.2	17.1	16.8	16.5		
-20	14.6	14.6	14.6	14.5	14.2	13.7		
-30	12.5	12.6	12.5	12.4	12.1	-		
-40	10.2	10.1	10.0	9.90	9.63	-		
10	28.5	30.4	31.3	31.7	32.1	32.0		
5	29.2	30.4	31.0	31.1	31.4	31.1		
0	27.9	28.7	29.0	29.1	29.0	28.5		
-5	25.9	26.5	26.6	26.6	26.4	25.9		
-10	24.4	24.7	24.8	24.7	24.4	23.7		
-20	21.1	21.2	21.1	20.9	20.5	19.8		
-30	18.3	18.2	18.1	17.9	17.5	-		
-40	15.7	15.6	15.5	15.4	14.9	-		
10	38.2	40.7	41.8	42.3	42.9	42.9		
5	39.1	40.8	41.5	41.8	42.0	41.6		
0	37.3	38.5	38.9	39.0	38.9	38.3		
-5	34.4	35.1	35.3	35.3	35.0	34.2		
-10	32.7	33.1	33.1	33.0	32.6	31.7		
-20	28.2	28.3	28.1	27.9	27.3	26.4		
-30	24.5	24.4	24.2	23.9	23.3	-		
-40	21.1	20.8	20.6	20.4	19.8	-		
10	54.3	57.0	58.5	59.1	60.1	59.9		
5	53.6	55.8	56.9	57.2	57.6	57.0		
0	51.8	53.4	54.0	54.2	53.9	53.0		
-5	48.6	49.5	49.7	49.8	49.3	48.3		
-10	44.8	45.4	45.5	45.5	44.7	43.6		
-20	40.5	40.5	40.4	40.1	39.2	38.0		
-30	34.5	34.3	34.1	33.7	32.9	-		
-40	29.8	29.6	29.3	29.0	28.1	-		
10	66.8	71.2	73.1	74.0	75.1	74.9		
5	68.0	71.0	72.1	72.6	73.0	72.3		
0	64.8	66.9	67.6	67.7	67.6	66.4		
-5	60.7	61.6	61.9	61.9	61.4	60.3		
-10	57.6	58.3	58.3	58.2	57.4	55.9		
-20	50.5	50.7	50.5	50.1	49.1	47.5		
-30	43.4	43.1	42.8	42.4	41.3	-		
-40	37.9	37.5	37.1	37.0	35.6	-		
10	76.3	81.4	83.7	84.6	85.9	85.6		
5	78.3	81.7	83.2	83.6	84.1	83.3		
0	74.9	77.2	78.0	78.1	78.0	76.7		
-5	69.5	71.0	71.4	71.4	68.7	69.1		
-10	67.5	66.3	66.4	66.1	65.2	63.5		
-20	57.5	58.1	57.8	57.5	56.2	54.4		
-30	49.5	49.3	49.0	48.5	47.3	-		
-40	43.3	43.0	42.5	42.1	40.8	-		
10	106	112	116	117	119	118		
5	107	112	114	114	115	115		
0	103	106	108	108	107	105		
-5	96.3	97.5	98.2	98.3	97.7	95.2		
-10	90.5	91.5	91.4	91.5	90.2	87.8		
-20	78.6	78.8	78.4	78.0	76.3	73.8		
-30	68.4	68.2	67.6	67.1	65.2	-		
-40	59.5	59.0	58.4	57.8	56.1	-		
10	128	136	140	141	143	143		
5	131	137	140	141	140	139		
0	125	129	130	130	131	128		
-5	118	118	120	120	118	116		
-10	110	111.0	111	110	109	107		
-20	96.1	96.3	96.1	95.2	93.7	90.3		
-30	83.2	82.8	82.2	81.5	79.4	-		
-40	72.3	71.6	70.8	70.2	68.1	-		

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)					
形式	番号		凝縮温度 (℃)					
			30	35	38	40	45	50
ATX-	12330DC1S	10	156	167	171	174	176	176
		5	160	166	170	171	172	171
	0	153	157	160	160	160	157	
	-5	143	145	147	146	145	142	
	-10	135	137	138	137	135	132	
	-20	118	118	118	117	114	111	
	-30	102	102	101	101	97.1	-	
	-40	88.5	87.8	86.9	86.0	83.4	-	
	10	198	211	217	220	223	223	
	5	202	211	215	217	218	217	
0	198	204	206	206	206	203		
-5	187	190	192	191	189	186		
-10	184	179	180	179	177	173		
-20	157	157	157	156	153	148		
-30	136	135	134	133	129	-		
-40	118	118	117	116	112	-		
10	239	254	261	264	267	267		
5	244	254	259	259	262	259		
0	238	246	248	248	248	244		
-5	225	229	231	230	229	224		
-10	215	217	218	217	214	209		
-20	189	188	189	187	183	177		
-30	164	163	162	161	157	-		
-40	144	141	140	139	134	-		

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封入方式：SL <-60~-25℃>

カタログ番号		蒸発温度 (℃)	冷凍能力 (kW)				
形式	番号		凝縮温度 (℃)				
			20	30	38	40	50
ATX-	34006BC1SL 34006DC1SL	-25	1.94	1.99	1.98	1.96	1.85
		-30	1.72	1.75	1.73	1.72	1.60
		-40	1.45	1.47	1.44	1.42	1.32
		-50	1.01	1.01	0.99	0.98	0.91
		-60	0.71	0.72	0.70	0.70	0.64
	34013BC1SL 34013DC1SL	-25	4.59	4.72	4.69	4.66	4.38
		-30	4.32	4.40	4.35	4.32	4.04
		-40	3.74	3.78	3.71	3.68	3.41
		-50	2.91	2.93	2.87	2.84	2.62
		-60	2.09	2.10	2.06	2.04	1.89
	34023BC1SL 34023DC1SL	-25	7.74	7.97	7.91	7.86	7.39
		-30	7.12	7.27	7.17	7.12	6.66
		-40	5.76	5.82	5.71	5.66	5.25
		-50	4.61	4.64	4.54	4.50	4.16
		-60	2.90	2.92	2.86	2.84	2.62
	34035BC1SL 34035DC1SL	-25	11.6	11.9	11.9	11.8	11.1
		-30	10.7	10.9	10.7	10.7	10.0
		-40	8.68	8.77	8.60	8.53	7.91
		-50	6.59	6.63	6.49	6.43	5.94
		-60	5.14	5.18	5.08	5.03	4.65
	34045BC1SL 34045DC1SL	-25	15.3	15.8	15.6	15.6	14.6
		-30	13.7	14.0	13.8	13.7	12.8
		-40	11.5	11.7	11.4	11.3	10.5
		-50	9.31	9.37	9.17	9.09	8.40
		-60	7.11	7.17	7.02	6.96	6.43
	57060DC1SL	-25	20.5	21.1	21.0	20.8	19.6
		-30	19.2	19.5	19.3	19.2	17.9
		-40	16.7	16.8	16.5	16.4	15.2
		-50	13.1	13.2	12.9	12.8	11.8
		-60	9.01	9.08	8.90	8.82	8.15
	57080DC1SL	-25	27.7	28.6	28.3	28.2	26.5
		-30	25.7	26.3	25.9	25.7	24.1
		-40	22.3	22.5	22.1	21.9	20.3
		-50	17.7	17.8	17.4	17.3	16.0
		-60	12.1	12.2	12.0	11.9	11.0
	71110DC1SL	-25	35.1	36.1	35.8	35.6	33.5
		-30	32.5	33.2	32.8	32.5	30.4
		-40	28.4	28.6	28.1	27.9	25.9
		-50	20.7	20.9	20.4	20.2	18.7
		-60	14.4	14.5	14.2	14.1	13.0
	71140DC1SL	-25	49.0	50.5	50.1	49.8	46.8
		-30	45.6	46.5	46.0	45.6	42.6
		-40	40.2	40.6	39.8	39.5	36.6
		-50	30.1	30.3	29.7	29.4	27.2
		-60	20.5	20.7	20.2	20.1	18.5
	71160DC1SL	-25	68.7	70.7	70.2	69.7	65.6
		-30	63.8	65.1	64.3	63.8	59.7
		-40	56.5	57.1	56.0	55.5	51.5
		-50	42.6	42.9	42.0	41.6	38.4
		-60	29.2	29.4	28.8	28.5	26.4
	12220DC1SL	-25	89.9	92.5	91.9	91.3	85.8
		-30	84.3	86.0	84.9	84.3	78.8
		-40	74.0	74.7	73.3	72.7	67.4
		-50	56.0	56.3	55.1	54.6	50.5
		-60	38.2	38.5	37.8	37.4	34.6
	12270DC1SL	-25	109	112	111	111	104
		-30	102	104	103	102	95.3
		-40	89.5	90.4	88.7	87.9	81.6
		-50	66.8	67.2	65.8	65.2	60.2
		-60	45.5	45.9	45.0	44.6	41.2
	12330DC1SL	-25	132	135	134	134	126
		-30	123	126	124	123	115
		-40	107	109	107	106	98.0
		-50	81.2	81.8	80.0	79.3	73.2
		-60	54.6	55.1	54.0	53.5	49.4
	12420DC1SL	-25	173	178	177	176	165
		-30	162	165	163	162	151
		-40	142	144	141	140	130
		-50	110	110	108	107	98.9
		-60	75.6	76.2	74.7	74.0	68.4
	12500DC1SL	-25	218	224	222	221	208
		-30	204	208	205	204	190
		-40	180	182	179	177	164
		-50	137	138	135	134	124
		-60	95.4	96.2	94.3	93.4	86.3

