

付表1 連続運転の実験データ

Day	Time																									1/9				
		T _{CPI} (°C)	T _{CPO} (°C)	T _{CRI} (°C)	T _{CRO} (°C)	T _{LGI} (°C)	T _{LGO} (°C)	T _{ERI} (°C)	T _{ERO} (°C)	T _{EBI} (°C)	T _{EBO} (°C)	T _{CI} (°C)	T _{CO} (°C)	P _{CRI} (MPa)	P _{CPO} (MPa)	P _{CPI} (MPa)	P _{ERI} (MPa)	P _{ERO} (MPa)	P _{CI} (MPa)	P _{CO} (MPa)	P _{EBI} (MPa)	P _{EBO} (MPa)	m _{CC} (m³/h)	m _{EB} (m³/h)	m _R (kg/h)	n (rpm)	T _{req} (N·m)			
9月6日	9:07:11	17.5	46.9	36.8	26.6	25.5	14.6	-13.7	-4.1	-13.9	-3.5	26.1	27.6	15.61	2.38	3.61	3.58	3.56	-0.02	-0.02	-0.09	-0.11	-0.07	-0.02	-0.3	0	1.96			
	9:07:41	17.5	46.8	33.7	20.2	18.8	14.7	-13.8	-4.0	-14.6	-16.9	14.2	18.3	11.37	6.38	3.06	3.07	3.06	0.55	0.30	0.88	0.13	9.94	12.30	-0.3	788	15.70			
	9:08:11	14.6	62.6	38.2	13.9	15.8	14.2	-24.2	-8.9	-9.4	-8.5	12.8	13.6	11.12	11.13	2.36	2.40	2.38	0.73	0.43	0.82	0.17	13.65	14.63	318.0	975	52.97			
	9:09:11	-8.2	69.7	55.0	25.5	20.6	-1.6	-8.6	-8.6	-6.8	-7.1	20.5	22.5	15.49	15.51	4.66	4.73	4.66	0.71	0.42	0.79	0.16	13.61	14.59	846.0	975	73.87			
	9:09:41	-10.7	68.0	56.9	29.4	22.1	0.6	-10.0	-11.2	-7.2	-8.3	25.7	27.5	17.49	17.64	4.01	4.06	4.01	0.72	0.43	0.77	0.16	13.76	14.36	6.0	975	72.59			
	9:10:11	-10.5	69.9	55.1	30.7	23.0	4.8	-16.6	-10.9	-8.2	-9.7	27.3	28.8	17.36	17.39	3.24	3.30	3.26	0.73	0.46	0.79	0.17	13.61	14.14	438.0	975	69.36			
	9:10:41	-5.9	72.0	55.1	30.4	27.8	-1.5	-15.0	-11.6	-9.2	-11.0	27.0	28.5	17.61	17.64	3.41	3.49	3.43	0.75	0.47	0.80	0.17	13.69	14.03	435.0	975	72.59			
	9:11:11	-3.7	73.3	54.2	29.9	29.0	6.9	-17.1	-12.6	-10.6	-12.2	26.3	27.7	17.24	17.26	3.08	3.16	3.11	0.74	0.46	0.79	0.14	13.61	13.80	330.0	975	68.67			
	9:11:41	-1.8	75.0	55.0	29.5	29.7	10.1	-17.4	-13.4	-11.6	-13.1	26.1	27.6	17.11	17.14	3.06	3.11	3.06	0.74	0.47	0.80	0.15	13.65	13.76	363.0	975	67.98			
	9:12:11	-0.2	76.4	55.6	29.3	29.9	12.0	-18.2	-14.2	-12.8	-14.2	26.1	27.4	16.99	17.01	2.91	2.98	2.93	0.73	0.43	0.84	0.15	13.65	13.58	327.0	975	63.47			
	9:12:41	0.9	77.5	56.6	29.1	30.1	12.7	-18.9	-15.1	-13.9	-15.2	26.0	27.3	16.86	16.89	2.81	2.88	2.83	0.73	0.44	0.85	0.16	13.65	13.50	315.0	975	60.82			
	9:13:11	2.1	78.7	57.6	28.9	30.1	13.2	-19.6	-15.8	-14.7	-15.9	25.9	27.2	16.86	16.76	2.71	2.78	2.73	0.75	0.46	0.85	0.14	13.61	13.39	309.0	975	60.14			
	9:13:41	2.9	79.9	58.1	28.7	30.0	13.7	-20.2	-16.6	-15.6	-16.8	25.8	27.0	16.74	16.64	2.63	2.67	2.63	0.73	0.45	0.85	0.12	13.58	13.24	291.0	975	62.78			
	9:14:11	3.7	81.3	59.2	28.5	29.9	14.0	-20.8	-17.3	-16.5	-17.6	25.7	26.9	16.61	16.64	2.53	2.57	2.53	0.73	0.44	0.90	0.15	13.61	13.20	282.0	975	58.17			
	9:14:41	4.5	82.5	59.7	28.3	29.8	14.2	-21.3	-17.9	-17.1	-18.2	25.5	26.7	16.49	16.51	2.46	2.50	2.46	0.74	0.46	0.87	0.15	13.65	13.09	273.0	975	59.55			
	9:15:11	5.0	83.3	60.1	28.2	29.6	14.3	-21.9	-18.6	-17.9	-19.0	25.4	26.6	16.36	16.39	2.38	2.43	2.38	0.74	0.45	0.90	0.14	13.61	12.98	270.0	975	59.55			
	9:15:41	5.5	84.3	61.0	28.0	29.4	14.4	-22.5	-19.3	-18.5	-19.5	25.3	26.5	16.36	16.26	2.31	2.36	2.31	0.74	0.46	0.91	0.15	13.61	12.94	258.0	975	59.55			
	9:16:11	5.9	85.1	61.3	27.8	29.2	14.5	-22.9	-19.8	-19.2	-20.2	25.3	26.3	16.24	16.26	2.23	2.30	2.26	0.74	0.45	0.92	0.14	13.54	12.79	252.0	975	53.66			
	9:16:41	6.2	85.9	62.2	27.7	29.1	14.5	-23.4	-20.5	-19.9	-20.8	25.3	26.3	16.24	16.26	2.18	2.23	2.18	0.74	0.46	0.92	0.13	13.61	12.68	243.0	975	52.97			
	9:17:11	6.6	86.7	62.6	27.6	29.0	14.5	-23.8	-21.7	-20.4	-21.3	25.3	26.3	16.24	16.14	2.11	2.15	2.11	0.74	0.46	0.96	0.17	13.61	12.64	231.0	975	56.90			
	9:17:41	6.7	87.3	62.9	27.5	28.9	14.5	-24.4	-21.9	-21.0	-21.9	25.2	26.2	16.11	16.14	2.06	2.10	2.05	0.74	0.45	0.95	0.15	13.61	12.49	222.0	975	52.29			
	9:18:11	6.9	88.2	63.5	27.4	28.8	14.5	-24.6	-22.2	-21.1	-21.7	25.3	26.2	16.11	16.14	2.06	2.09	2.05	0.73	0.46	0.95	0.15	13.61	12.60	186.0	975	50.33			
	9:18:41	7.1	88.9	64.0	27.4	28.8	14.5	-24.6	-21.3	-19.7	-20.5	25.3	26.3	16.11	16.14	2.03	2.06	2.03	0.74	0.45	0.95	0.16	13.61	12.83	147.0	975	52.97			
	9:19:11	7.2	89.6	64.3	27.4	28.8	14.2	-24.2	-20.5	-19.5	-20.3	25.3	26.3	16.11	16.14	2.11	2.14	2.11	0.74	0.46	0.93	0.15	13.65	12.83	258.0	975	58.17			
	9:19:41	7.4	90.3	64.9	27.4	28.8	13.5	-24.0	-20.5	-19.9	-20.7	25.3	26.3	16.24	16.14	2.11	2.15	2.11	0.76	0.47	0.95	0.15	13.61	12.75	252.0	975	55.62			
	9:20:11	7.4	90.6	65.2	27.4	28.8	13.9	-24.2	-20.9	-20.4	-21.2	25.3	26.4	16.24	16.14	2.08	2.12	2.08	0.75	0.46	0.95	0.14	13.61	12.60	240.0	975	58.86			
	9:20:41	7.5	91.2	65.4	27.4	28.8	14.0	-24.4	-21.2	-20.3	-21.1	25.4	26.4	16.24	16.14	2.06	2.12	2.08	0.75	0.48	0.95	0.13	13.58	12.64	189.0	975	50.33			
	9:21:11	7.5	91.6	66.0	27.5	28.8	14.1	-24.5	-20.9	-19.7	-20.5	25.4	26.4	16.24	16.14	2.06	2.09	2.05	0.73	0.45	0.92	0.13	13.61	12.79	183.0	975	56.90			
	9:21:42	7.6	92.0	66.3	27.5	28.8	13.9	-24.2	-20.3	-19.2	-20.1	25.4	26.4	16.24	16.26	2.11	2.15	2.11	0.75	0.48	0.93	0.14	13.61	12.86	234.0	975	55.62			
	9:22:11	7.6	92.3	66.7	27.5	28.9	13.6	-24.0	-20.3	-19.5	-20.4	25.4	26.4	16.24	16.26	2.11	2.17	2.13	0.75	0.46	0.93	0.16	13.58	12.79	246.0	975	56.21			
	9:22:41	7.7	92.7	66.9	27.5	28.9	13.7	-24.1	-20.5	-19.9	-20.7	25.4	26.5	16.24	16.26	2.08	2.14	2.11	0.74	0.44	0.93	0.15	13.58	12.71	231.0	975	56.90			
	9:23:12	7.7	93.0	67.2	27.5	28.9	13.9	-24.4	-20.9	-20.2	-21.1	25.5	26.5	16.24	16.26	2.06	2.09	2.05	0.73	0.45	0.93	0.14	13.61	12.64	222.0	975	53.66			
	9:23:41	7.7	93.3	67.6	27.5	28.9	13.9	-24.5	-20.9	-19.9	-20.8	25.5	26.5	16.24	16.26	2.06	2.09	2.05	0.73	0.46	0.93	0.15	13.61	12.71	189.0	975	51.70			
	9:24:11	7.7	93.7	67.7	27.5	28.9	14.0	-24.4	-20.5	-19.4	-20.2	25.4	26.5	16.24	16.26	2.08	2.11	2.08	0.73	0.44	0.93	0.16	13.58	12.83	204.0	975	57.58			
	9:24:41	7.8	93.9	68.0	27.5	28.9	13.9	-24.2	-20.2	-19.2	-20.0	25.4	26.4	16.24	16.14	2.11	2.14	2.11	0.74	0.45	0.95	0.16	13.61	12.90	231.0	975	55.62			
	9:25:11	7.8	94.2	68.2	27.5	28.9	13.7	-24.0	-20.2	-19.4	-20.3	25.4	26.4	16.24	16.26	2.11	2.15	2.11	0.75	0.46	0.95	0.17	13.61	12.83	237.0	975	53.66			
	9:25:41	7.8	94.5	68.3	27.5	28.9	13.9	-24.1	-20.4	-19.7	-20.6	25.4	26.4	16.24	16.26	2.11	2.14	2.11	0.75	0.47	0.93	0.16	13.58	12.75	228.0	975	52.97			
	9:26:11	7.8	94.7	68.7	27.4	28.9	14.0	-24.4	-20.7	-20.0	-20.8	25.3	26.3	16.11	16.14	2.06	2.12	2.08	0.73	0.45	0.95	0.17	13.61	12.71	222.0	975	54.25			
	9:26:41	7.8	95.0	68.8	27.4	28.8	14.1	-24.4	-20.8	-20.0	-20.9	25.2	26.2	16.11	16.14	2.08	2.12	2.08	0.72	0.44	0.93	0.13	13.58	12.71	210.0	975	56.90			
	9:27:11	7.8	95.1	69.3	27.3	28.8	14.2	-24.5	-20.6	-19.6	-20.5	25.1	26.2	16.11	16.01	2.														

Day	Time	T _{CP1} (°C)	T _{CPO} (°C)	T _{CR} (°C)	T _{CRO} (°C)	T _{LGL1} (°C)	T _{LGL0} (°C)	T _{ER1} (°C)	T _{ERO} (°C)	T _{EB1} (°C)	T _{EBO} (°C)	T _{CI} (°C)	T _{CO} (°C)	P _{CR1} (MPa)	P _{CPO} (MPa)	P _{CP1} (MPa)	P _{ER1} (MPa)	P _{ERO} (MPa)	P _{CI} (MPa)	P _{CO} (MPa)	P _{EB1} (MPa)	P _{EBO} (MPa)	m _{CC} (m³/h)	m _{EB} (m³/h)	m _R (kg/h)	n (rpm)	2/9		
																											T _{OR} (N·m)	T _{OS} (N·m)	
9月6日	10:12:11	7.9	100.0	74.2	27.4	28.8	14.0	-24.5	-20.6	-19.6	-20.4	25.4	26.4	16.11	16.14	2.06	2.09	2.05	0.72	0.43	0.95	0.18	13.58	12.75	210.0	975	54.25		
	10:13:11	7.9	100.0	73.8	27.4	28.8	13.9	-24.2	-20.2	-19.2	-20.0	25.3	26.4	16.11	16.14	2.11	2.14	2.11	0.74	0.45	0.93	0.16	13.58	12.83	225.0	975	51.70		
	10:14:11	7.9	100.0	74.0	27.4	28.8	13.9	-24.2	-20.3	-19.5	-20.4	25.3	26.3	16.11	16.14	2.08	2.14	2.11	0.73	0.46	0.93	0.16	13.58	12.71	225.0	975	57.58		
	10:15:11	7.9	100.0	74.1	27.4	28.8	14.0	-24.4	-20.6	-19.9	-20.8	25.3	26.3	16.11	16.14	2.06	2.09	2.05	0.75	0.47	0.93	0.15	13.58	12.68	222.0	975	52.29		
	10:16:11	7.9	100.0	74.6	27.4	28.8	14.1	-24.5	-20.7	-19.8	-20.6	25.3	26.3	16.11	16.14	2.06	2.08	2.05	0.73	0.44	0.93	0.14	13.58	12.71	204.0	975	55.62		
	10:17:11	7.9	100.0	74.0	27.3	28.7	13.9	-24.3	-20.3	-19.2	-20.0	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.73	0.46	0.93	0.15	13.54	12.75	213.0	975	53.66		
	10:18:11	7.9	100.0	74.1	27.4	28.7	13.9	-24.2	-20.2	-19.3	-20.2	25.3	26.3	16.11	16.14	2.11	2.14	2.11	0.73	0.47	0.92	0.16	13.58	12.75	228.0	975	56.90		
	10:19:11	7.9	100.0	74.2	27.4	28.8	14.0	-24.4	-20.5	-19.8	-20.6	25.3	26.4	16.11	16.14	2.08	2.11	2.08	0.73	0.45	0.93	0.15	13.54	12.68	219.0	975	57.58		
	10:20:11	7.9	100.0	74.6	27.4	28.8	14.0	-24.6	-20.8	-19.9	-20.8	25.3	26.4	16.11	16.26	2.06	2.10	2.05	0.74	0.47	0.93	0.14	13.54	12.64	207.0	975	49.74		
	↓																												
	12:10:11	7.9	100.0	75.0	27.4	28.7	13.9	-24.2	-20.2	-19.2	-20.0	25.4	26.4	16.24	16.26	2.11	2.14	2.11	0.76	0.47	0.93	0.15	13.58	12.79	225.0	975	56.90		
	12:11:11	7.9	100.0	74.7	27.5	28.8	13.9	-24.2	-20.3	-19.4	-20.3	25.5	26.5	16.24	16.26	2.11	2.14	2.11	0.74	0.45	0.95	0.16	13.61	12.79	219.0	975	52.29		
	12:12:11	7.9	100.0	74.6	27.4	28.8	13.9	-24.4	-20.5	-19.7	-20.6	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.73	0.44	0.93	0.17	13.61	12.75	219.0	975	56.21		
	12:13:11	7.9	100.0	74.7	27.3	28.8	14.0	-24.6	-20.8	-20.0	-20.8	25.2	26.2	16.11	16.14	2.06	2.09	2.05	0.75	0.45	0.93	0.16	13.58	12.64	210.0	975	54.94		
	12:14:12	7.9	100.0	74.3	27.2	28.7	14.1	-24.5	-20.6	-19.7	-20.5	25.2	26.2	16.11	16.14	2.06	2.09	2.05	0.71	0.43	0.92	0.14	13.54	12.68	207.0	975	53.66		
	12:15:11	7.9	100.0	74.4	27.3	28.6	13.9	-24.4	-20.4	-19.3	-20.2	25.2	26.2	16.11	16.14	2.08	2.11	2.08	0.73	0.46	0.92	0.15	13.54	12.75	219.0	975	55.62		
	12:16:11	7.9	100.0	74.5	27.3	28.7	13.9	-24.2	-20.2	-19.3	-20.1	25.3	26.3	16.11	16.14	2.11	2.14	2.11	0.73	0.46	0.91	0.14	13.58	12.71	225.0	975	54.94		
	12:17:11	7.9	100.0	74.4	27.4	28.7	13.9	-24.3	-20.4	-19.6	-20.4	25.4	26.4	16.11	16.14	2.08	2.12	2.08	0.73	0.44	0.93	0.18	13.58	12.71	222.0	975	54.94		
	12:18:11	7.9	100.0	74.8	27.5	28.8	13.9	-24.5	-20.6	-19.9	-20.7	25.5	26.5	16.24	16.26	2.06	2.09	2.05	0.74	0.47	0.93	0.14	13.58	12.68	219.0	975	49.74		
	12:19:11	7.9	100.0	74.6	27.5	28.9	14.0	-24.6	-20.7	-19.9	-20.7	25.5	26.5	16.24	16.26	2.06	2.09	2.05	0.75	0.47	0.93	0.14	13.58	12.68	204.0	975	55.62		
	12:20:11	7.9	100.0	74.6	27.5	28.9	13.9	-24.4	-20.4	-19.4	-20.3	25.4	26.4	16.24	16.26	2.08	2.11	2.08	0.74	0.45	0.93	0.16	13.58	12.75	213.0	975	54.94		
	↓																												
	14:10:11	8.0	100.0	75.2	27.5	28.9	14.0	-24.2	-20.3	-19.3	-20.1	25.3	26.4	16.11	16.14	2.11	2.14	2.11	0.73	0.45	0.95	0.16	13.58	12.79	219.0	975	57.58		
	14:11:11	8.0	100.0	75.3	27.3	28.8	14.0	-24.1	-20.2	-19.3	-20.1	25.1	26.1	15.99	16.14	2.11	2.14	2.11	0.74	0.46	0.92	0.15	13.58	12.75	228.0	975	54.25		
	14:12:11	7.9	100.0	75.2	27.3	28.7	14.0	-24.2	-20.3	-19.5	-20.3	25.2	26.2	16.11	16.14	2.11	2.14	2.11	0.72	0.43	0.92	0.13	13.61	12.75	222.0	975	50.33		
	14:13:11	8.0	100.0	75.2	27.3	28.7	14.0	-24.3	-20.5	-19.7	-20.6	25.2	26.3	16.11	16.14	2.08	2.12	2.08	0.73	0.43	0.93	0.17	13.58	12.71	219.0	975	56.21		
	14:14:11	8.0	100.0	75.1	27.4	28.7	14.1	-24.4	-20.7	-19.9	-20.8	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.72	0.43	0.93	0.17	13.58	12.64	219.0	975	54.94		
	↓																												
	14:15:42	8.0	100.0	75.5	27.5	28.8	14.1	-24.4	-20.6	-19.7	-20.6	25.4	26.5	16.24	16.26	2.08	2.11	2.08	0.73	0.44	0.93	0.15	13.58	12.68	213.0	975	51.70		
	14:16:41	8.0	100.0	75.4	27.5	28.9	14.0	-24.3	-20.4	-19.4	-20.3	25.5	26.5	16.24	16.26	2.08	2.11	2.08	0.72	0.42	0.93	0.14	13.58	12.75	216.0	975	53.66		
	14:17:41	7.9	100.0	75.4	27.5	28.9	14.0	-24.1	-20.2	-19.2	-20.1	25.4	26.5	16.24	16.26	2.11	2.14	2.11	0.73	0.45	0.92	0.14	13.58	12.75	219.0	975	56.21		
	14:18:41	7.9	100.0	75.8	27.5	28.9	14.0	-24.1	-20.2	-19.3	-20.2	25.4	26.4	16.24	16.26	2.11	2.14	2.11	0.73	0.44	0.95	0.16	13.58	12.75	225.0	975	51.70		
	14:19:41	8.0	100.0	75.0	27.4	28.9	14.2	-24.2	-20.4	-19.6	-20.4	25.2	26.3	16.11	16.14	2.08	2.14	2.11	0.72	0.43	0.93	0.16	13.58	12.75	219.0	975	54.94		
	14:20:41	8.0	100.0	75.6	27.2	28.7	14.1	-24.3	-20.6	-19.8	-20.7	25.1	26.1	15.99	16.01	2.08	2.12	2.08	0.73	0.44	0.95	0.15	13.58	12.68	213.0	975	55.62		
	↓																												
	16:10:11	8.0	100.0	75.9	27.4	28.8	14.2	-24.4	-20.7	-19.8	-20.6	25.4	26.4	16.11	16.26	2.08	2.11	2.08	0.73	0.44	0.93	0.15	13.58	12.64	213.0	975	56.21		
	16:11:11	8.0	100.0	76.1	27.6	28.9	14.1	-24.2	-20.6	-19.6	-20.4	25.5	26.5	16.24	16.26	2.08	2.11	2.08	0.72	0.43	0.92	0.15	13.58	12.64	216.0	975	51.01		
	16:12:11	7.9	100.0	75.6	27.5	28.9	14.1	-24.1	-20.4	-19.4	-20.3	25.4	26.5	16.24	16.26	2.11	2.15	2.11	0.73	0.45	0.95	0.17	13.58	12.71	216.0	975	53.66		
	16:13:11	7.9	100.0	75.6	27.6	28.9	14.1	-24.1	-20.3	-19.3	-20.1	25.4	26.5	16.24	16.26	2.11	2.14	2.11	0.73	0.44	0.92	0.15	13.54	12.75	222.0	975	53.66		
	16:14:11	7.9	100.0	75.7	27.5	28.9	14.1	-24.0	-20.2	-19.3	-20.1	25.3	26.3	16.11	16.14	2.13	2.17	2.13	0.73	0.45	0.93	0.16	13.54	12.71	225.0	975	56.21		
	↓																												

																						3/9					
Day	Time	T _{CPI} (°C)	T _{CPO} (°C)	T _{CRI} (°C)	T _{CRO} (°C)	T _{LGI} (°C)	T _{LLO} (°C)	T _{ERI} (°C)	T _{ERO} (°C)	T _{EBI} (°C)	T _{EBO} (°C)	T _{CI} (°C)	T _{CO} (°C)	P _{CRI} (MPa)	P _{CPO} (MPa)	P _{CPI} (MPa)	P _{ERI} (MPa)	P _{EBO} (MPa)	P _{CI} (MPa)	P _{CO} (MPa)	P _{EBI} (MPa)	P _{EBO} (MPa)	m _{CC} (m³/h)	m _{EB} (m³/h)	m _R (kg/h)	n (rpm)	T _{oq} (N·m)
9月6日	20:20:11	8.1	100.0	76.8	27.4	28.8	14.1	-24.1	-20.5	-19.6	-20.5	25.3	26.3	16.11	16.14	2.11	2.14	2.11	0.73	0.44	0.92	0.15	13.69	12.71	216.0	975	54.94
	↓																										
	22:10:11	8.1	100.0	76.4	27.4	28.9	14.1	-24.2	-20.4	-19.6	-20.4	25.3	26.3	16.11	16.14	2.08	2.14	2.11	0.72	0.44	0.93	0.14	13.58	12.68	222.0	975	54.25
	22:11:11	8.1	100.0	76.7	27.4	28.9	14.1	-24.3	-20.6	-19.8	-20.6	25.2	26.2	16.11	16.14	2.08	2.11	2.08	0.74	0.44	0.93	0.15	13.58	12.68	219.0	975	55.62
	22:12:11	8.1	100.0	76.8	27.4	28.8	14.1	-24.3	-20.8	-20.0	-20.8	25.2	26.2	16.11	16.14	2.08	2.11	2.08	0.71	0.43	0.92	0.14	13.58	12.64	216.0	975	51.01
	22:13:11	8.1	100.0	76.4	27.3	28.8	14.1	-24.4	-20.8	-19.8	-20.7	25.2	26.2	16.11	16.14	2.06	2.08	2.05	0.74	0.44	0.93	0.16	13.58	12.68	210.0	975	56.90
	22:14:11	8.1	100.0	77.1	27.4	28.8	14.0	-24.3	-20.6	-19.6	-20.4	25.4	26.4	16.11	16.14	2.08	2.11	2.08	0.72	0.44	0.95	0.17	13.61	12.71	213.0	975	53.66
	↓																										
	22:15:11	8.1	100.0	76.2	27.5	28.9	14.0	-24.2	-20.4	-19.4	-20.2	25.5	26.5	16.24	16.26	2.11	2.14	2.11	0.73	0.44	0.93	0.16	13.58	12.75	219.0	975	54.94
	22:16:11	8.1	100.0	76.6	27.6	28.9	14.0	-24.0	-20.2	-19.2	-20.1	25.5	26.6	16.24	16.26	2.11	2.15	2.11	0.73	0.44	0.93	0.16	13.58	12.79	222.0	975	52.29
	22:17:12	8.1	100.0	76.1	27.6	29.0	14.1	-24.0	-20.2	-19.3	-20.1	25.4	26.4	16.24	16.26	2.11	2.16	2.13	0.73	0.44	0.92	0.14	13.58	12.75	225.0	975	58.17
	22:18:11	8.1	100.0	76.6	27.5	29.0	14.2	-24.0	-20.3	-19.5	-20.3	25.3	26.4	16.11	16.14	2.11	2.14	2.11	0.73	0.43	0.93	0.17	13.58	12.75	219.0	975	55.62
	22:19:11	8.1	100.0	76.8	27.5	28.9	14.1	-24.2	-20.5	-19.7	-20.5	25.3	26.4	16.11	16.14	2.08	2.11	2.08	0.73	0.44	0.93	0.15	13.61	12.71	222.0	975	54.94
	22:20:11	8.1	100.0	76.7	27.4	28.9	14.1	-24.3	-20.6	-19.8	-20.7	25.2	26.2	16.11	16.14	2.08	2.11	2.08	0.72	0.43	0.95	0.17	13.58	12.64	216.0	975	51.70
	↓																										
	9月7日	0:10:11	8.1	100.0	76.4	27.3	28.7	14.0	-24.4	-20.7	-19.8	-20.6	25.2	26.2	16.11	16.14	2.06	2.11	2.08	0.73	0.43	0.95	0.14	13.61	12.71	213.0	975
0:11:11		8.1	100.0	76.9	27.5	28.8	14.1	-24.3	-20.5	-19.5	-20.4	25.4	26.5	16.24	16.26	2.08	2.11	2.08	0.74	0.44	0.95	0.17	13.61	12.75	216.0	975	51.01
0:12:11		8.1	100.0	76.5	27.6	28.9	14.0	-24.2	-20.3	-19.3	-20.1	25.5	26.6	16.24	16.26	2.11	2.14	2.11	0.72	0.43	0.93	0.16	13.61	12.79	219.0	975	52.97
0:13:11		8.0	100.0	76.6	27.6	29.0	14.0	-24.0	-20.1	-19.2	-20.0	25.4	26.5	16.24	16.26	2.11	2.16	2.13	0.72	0.43	0.95	0.17	13.61	12.79	225.0	975	53.66
0:14:11		8.1	100.0	76.7	27.6	29.0	14.1	-24.0	-20.3	-19.4	-20.3	25.4	26.5	16.24	16.26	2.11	2.14	2.11	0.74	0.45	0.93	0.17	13.65	12.79	225.0	975	56.21
↓																											
0:15:11		8.1	100.0	76.5	27.5	28.9	14.2	-24.2	-20.4	-19.6	-20.5	25.3	26.4	16.11	16.14	2.11	2.14	2.11	0.73	0.45	0.93	0.15	13.58	12.71	222.0	975	50.33
0:16:11		8.1	100.0	76.5	27.4	28.9	14.1	-24.3	-20.6	-19.8	-20.7	25.2	26.2	16.11	16.14	2.08	2.11	2.08	0.73	0.44	0.93	0.15	13.61	12.68	219.0	975	56.21
0:17:12		8.1	100.0	76.5	27.3	28.8	14.0	-24.4	-20.8	-20.0	-20.8	25.1	26.2	15.99	16.14	2.06	2.09	2.05	0.72	0.45	0.95	0.14	13.61	12.64	213.0	975	51.01
0:18:11		8.1	100.0	76.5	27.3	28.7	14.1	-24.4	-20.7	-19.8	-20.7	25.3	26.3	16.11	16.14	2.06	2.09	2.05	0.73	0.42	0.93	0.13	13.65	12.68	213.0	975	51.01
0:19:11		8.1	100.0	76.5	27.4	28.8	14.0	-24.3	-20.6	-19.6	-20.4	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.74	0.45	0.93	0.14	13.58	12.71	213.0	975	56.21
0:20:11		8.1	100.0	76.4	27.5	28.8	14.1	-24.2	-20.4	-19.4	-20.3	25.4	26.5	16.24	16.26	2.08	2.14	2.11	0.72	0.42	0.93	0.13	13.58	12.75	219.0	975	56.21
↓																											
2:10:11		8.0	100.0	76.5	27.5	28.8	13.9	-23.9	-20.2	-19.3	-20.1	25.4	26.5	16.24	16.26	2.13	2.17	2.13	0.74	0.46	0.95	0.13	13.58	12.79	225.0	975	52.29
2:11:11		8.0	100.0	76.4	27.6	28.9	14.0	-24.0	-20.4	-19.5	-20.3	25.5	26.6	16.24	16.26	2.11	2.14	2.11	0.73	0.44	0.95	0.15	13.58	12.75	219.0	975	51.70
2:12:11		8.0	100.0	76.6	27.6	29.0	14.1	-24.2	-20.5	-19.7	-20.5	25.4	26.5	16.24	16.26	2.11	2.15	2.11	0.74	0.45	0.95	0.14	13.58	12.68	219.0	975	51.70
2:13:11		8.1	100.0	76.2	27.5	28.9	14.2	-24.3	-20.7	-19.9	-20.7	25.3	26.3	16.11	16.14	2.08	2.12	2.08	0.71	0.43	0.96	0.16	13.58	12.68	219.0	975	54.94
2:14:11		8.1	100.0	76.6	27.3	28.8	14.2	-24.4	-20.8	-19.9	-20.7	25.1	26.1	15.99	16.14	2.06	2.12	2.08	0.73	0.43	0.96	0.16	13.58	12.68	210.0	975	52.97
↓																											
2:15:11		8.1	100.0	76.5	27.3	28.7	14.0	-24.4	-20.6	-19.7	-20.5	25.2	26.2	16.11	16.01	2.08	2.12	2.08	0.73	0.43	0.95	0.15	13.61	12.68	213.0	975	51.01
2:16:11		8.1	100.0	76.6	27.3	28.7	14.0	-24.2	-20.5	-19.5	-20.3	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.74	0.44	0.95	0.15	13.58	12.75	213.0	975	54.25
2:17:12		8.0	100.0	76.0	27.8	28.8	14.0	-24.1	-20.3	-19.3	-20.1	25.4	26.5	16.24	16.26	2.11	2.14	2.11	0.73	0.44	0.95	0.16	13.61	12.79	216.0	975	51.70
2:18:11		8.0	100.0	76.4	27.6	28.9	13.9	-24.0	-20.1	-19.2	-20.0	25.5	26.6	16.24	16.26	2.13	2.17	2.13	0.72	0.43	0.95	0.15	13.58	12.75	228.0	975	56.21
2:19:11		8.0	100.0	76.3	27.6	29.0	14.0	-24.1	-20.3	-19.4	-20.3	25.4	26.5	16.24	16.26	2.11	2.14	2.11	0.73	0.45	0.95	0.18	13.61	12.75	219.0	975	49.74
2:20:11		8.1	100.0	76.3	27.4	28.9	14.2	-24.1	-20.4	-19.6	-20.4	25.2	26.3	16.11	16.14	2.11	2.14	2.11	0.73	0.44	0.95	0.15	13.61	12.68	219.0	975	51.70
↓																											
4:10:11		7.9	100.0	76.3	27.5	28.9	14.2	-24.2	-20.4	-19.5	-20.4	25.4	26.4	16.11	16.26	2.08	2.14	2.11	0.74	0.44	0.95	0.16	13.61	12.71	219.0	975	56.21
4:11:11		7.9	100.0	75.9	27.4	28.9	14.2	-24.3	-20.6	-19.7	-20.6	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.73	0.44	0.95	0.14	13.61	12.68	222.0	975	51.01
4:12:11		7																									

Day	Time	T _{CP} (°C)	T _{CO} (°C)	T _{CR} (°C)	T _{CRO} (°C)	T _{LEU} (°C)	T _{LEO} (°C)	T _{ER} (°C)	T _{ERO} (°C)	T _{EB} (°C)	T _{EBO} (°C)	T _{CI} (°C)	T _{CO} (°C)	P _{CR} (MPa)	P _{CO} (MPa)	P _{CP} (MPa)	P _{ER} (MPa)	P _{EBO} (MPa)	P _{CI} (MPa)	P _{CO} (MPa)	P _{EB} (MPa)	P _{EBO} (MPa)	m _{CC} (m³/h)	m _{EB} (m³/h)	m _R (kg/h)	n (rpm)	T ₉₅ (N·m)	
9月7日	8:15:11	7.9	100.0	76.3	27.5	28.9	14.2	-24.3	-20.6	-19.7	-20.6	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.73	0.43	0.96	0.16	13.61	12.68	219.0	975	55.62	
	8:16:11	7.9	100.0	75.8	27.3	28.8	14.2	-24.5	-20.8	-20.0	-20.8	25.1	26.2	16.11	16.14	2.06	2.09	2.05	0.74	0.45	0.96	0.16	13.58	12.60	216.0	975	56.21	
	8:17:12	7.9	100.0	76.0	27.3	28.7	14.1	-24.5	-20.8	-19.9	-20.7	25.2	26.2	16.11	16.14	2.06	2.09	2.05	0.75	0.46	0.96	0.16	13.58	12.64	213.0	975	52.97	
	8:18:11	7.9	100.0	76.2	27.3	28.7	14.1	-24.4	-20.6	-19.6	-20.4	25.2	26.2	16.11	16.14	2.06	2.11	2.08	0.74	0.45	0.97	0.18	13.58	12.68	213.0	975	53.66	
	8:19:11	7.9	100.0	76.4	27.4	28.7	14.0	-24.3	-20.4	-19.3	-20.2	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.73	0.45	0.96	0.15	13.58	12.75	216.0	975	55.62	
	8:20:11	7.9	100.0	76.3	27.5	28.8	14.0	-24.1	-20.2	-19.2	-20.0	25.4	26.4	16.24	16.26	2.11	2.14	2.11	0.73	0.44	0.96	0.16	13.58	12.75	225.0	975	54.94	
	}																											
	}																											
	10:10:11	7.9	100.0	74.0	27.3	28.7	14.1	-24.5	-20.9	-20.0	-20.8	25.2	26.2	16.11	16.14	2.06	2.09	2.05	0.74	0.44	0.97	0.16	13.61	12.64	210.0	975	54.94	
	10:11:11	7.9	100.0	74.1	27.3	28.6	14.1	-24.5	-20.7	-19.8	-20.6	25.2	26.2	16.11	16.14	2.06	2.11	2.08	0.75	0.46	0.96	0.15	13.58	12.64	216.0	975	52.97	
	10:12:11	7.9	100.0	74.3	27.4	28.7	14.0	-24.3	-20.5	-19.5	-20.4	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.75	0.48	0.96	0.15	13.58	12.71	216.0	975	56.90	
	10:13:11	7.9	100.0	74.2	27.5	28.7	13.9	-24.1	-20.3	-19.3	-20.1	25.5	26.5	16.24	16.26	2.11	2.14	2.11	0.75	0.45	0.97	0.16	13.58	12.75	216.0	975	51.01	
	10:14:11	7.9	100.0	73.7	27.6	28.8	13.9	-24.1	-20.2	-19.2	-20.1	25.5	26.6	16.24	16.26	2.13	2.16	2.13	0.74	0.45	0.97	0.16	13.58	12.75	225.0	975	51.70	
		10:15:11	7.9	100.0	74.2	27.5	28.9	14.0	-24.1	-20.3	-19.4	-20.3	25.4	26.5	16.24	16.26	2.11	2.14	2.11	0.74	0.45	0.96	0.16	13.61	12.71	222.0	975	56.90
		10:16:11	7.9	100.0	74.1	27.5	28.9	14.0	-24.2	-20.4	-19.6	-20.4	25.4	26.5	16.24	16.26	2.11	2.14	2.11	0.74	0.46	0.97	0.16	13.61	12.71	219.0	975	54.94
		10:17:12	7.9	100.0	74.0	27.4	28.9	14.1	-24.3	-20.6	-19.8	-20.6	25.2	26.2	16.11	16.14	2.08	2.11	2.08	0.74	0.44	0.97	0.17	13.58	12.68	222.0	975	56.90
		10:18:11	7.9	100.0	73.6	27.2	28.7	14.1	-24.4	-20.8	-19.9	-20.8	25.1	26.1	16.11	16.14	2.06	2.11	2.08	0.75	0.46	0.96	0.15	13.58	12.68	219.0	975	52.97
		10:19:11	7.9	100.0	74.1	27.3	28.7	14.2	-24.4	-20.8	-19.9	-20.7	25.3	26.3	16.11	16.14	2.06	2.11	2.08	0.74	0.45	0.96	0.16	13.65	12.71	210.0	975	49.05
		10:20:41	7.9	100.0	74.1	27.5	28.7	14.0	-24.3	-20.5	-19.5	-20.4	25.5	26.5	16.24	16.26	2.08	2.12	2.08	0.75	0.46	0.98	0.17	13.58	12.71	219.0	975	53.66
		}																										
		}																										
		12:10:11	8.0	100.0	73.7	27.3	28.7	14.2	-24.3	-20.7	-19.8	-20.7	25.3	26.3	16.11	16.14	2.08	2.12	2.08	0.74	0.45	0.96	0.17	13.58	12.64	216.0	975	57.58
		12:11:11	8.0	100.0	74.2	27.4	28.7	14.1	-24.4	-20.8	-19.9	-20.8	25.4	26.4	16.24	16.14	2.06	2.09	2.05	0.75	0.46	0.95	0.14	13.61	12.60	210.0	975	54.94
	12:12:11	8.0	100.0	74.1	27.5	28.8	14.1	-24.4	-20.7	-19.8	-20.7	25.4	26.5	16.24	16.26	2.08	2.11	2.08	0.73	0.44	0.97	0.14	13.58	12.68	210.0	975	55.62	
	12:13:11	7.9	100.0	74.1	27.5	28.9	14.0	-24.4	-20.6	-19.6	-20.4	25.4	26.4	16.24	16.14	2.08	2.11	2.08	0.73	0.44	0.96	0.17	13.58	12.68	213.0	975	52.97	
	12:14:12	7.9	100.0	73.9	27.5	28.9	14.1	-24.2	-20.4	-19.4	-20.2	25.3	26.4	16.24	16.26	2.11	2.14	2.11	0.75	0.47	0.96	0.17	13.58	12.75	216.0	975	54.94	
		12:15:11	7.9	100.0	74.1	27.5	28.9	14.1	-24.1	-20.2	-19.2	-20.0	25.4	26.4	16.24	16.14	2.11	2.14	2.11	0.74	0.44	0.96	0.15	13.54	12.75	222.0	975	51.70
		12:16:11	7.9	100.0	73.8	27.5	28.9	14.1	-24.0	-20.2	-19.3	-20.1	25.3	26.3	16.11	16.14	2.13	2.16	2.13	0.74	0.45	0.98	0.17	13.58	12.79	225.0	975	54.25
		12:17:11	7.9	100.0	73.9	27.3	28.8	14.1	-24.1	-20.4	-19.5	-20.3	25.0	26.1	15.99	16.01	2.11	2.17	2.13	0.74	0.45	0.95	0.16	13.58	12.71	222.0	975	53.66
		12:18:11	7.9	100.0	74.0	27.3	28.7	14.1	-24.2	-20.5	-19.7	-20.5	25.2	26.2	16.11	16.14	2.11	2.14	2.11	0.73	0.43	0.97	0.14	13.58	12.68	222.0	975	51.70
		12:19:11	7.9	100.0	74.1	27.4	28.7	14.1	-24.3	-20.7	-19.8	-20.7	25.4	26.4	16.11	16.14	2.08	2.11	2.08	0.74	0.45	0.96	0.17	13.58	12.68	219.0	975	56.90
		12:20:11	7.9	100.0	74.1	27.4	28.8	14.1	-24.4	-20.8	-19.9	-20.8	25.3	26.4	16.11	16.14	2.06	2.11	2.08	0.74	0.46	0.97	0.16	13.58	12.60	216.0	975	51.01
		}																										
		}																										
		14:10:41	7.9	100.0	74.9	27.5	28.8	14.2	-24.4	-20.8	-19.9	-20.7	25.5	26.5	16.24	16.26	2.06	2.09	2.05	0.72	0.42	0.96	0.16	13.58	12.64	210.0	975	56.90
		14:11:41	7.9	100.0	74.8	27.5	28.9	14.1	-24.4	-20.7	-19.7	-20.5	25.4	26.4	16.24	16.26	2.08	2.11	2.08	0.75	0.45	0.97	0.15	13.58	12.68	216.0	975	54.25
	14:12:41	7.9	100.0	74.9	27.5	28.9	14.2	-24.3	-20.5	-19.5	-20.4	25.4	26.4	16.24	16.14	2.08	2.12	2.08	0.74	0.45	0.93	0.13	13.58	12.68	216.0	975	50.33	
	14:13:41	7.9	100.0	74.6	27.5	28.9	14.2	-24.1	-20.3	-19.3	-20.1	25.4	26.4	16.24	16.26	2.11	2.14	2.11	0.74	0.46	0.96	0.18	13.58	12.75	219.0	975	53.66	
	14:14:41	7.9	100.0	74.6	27.5	28.9	14.1	-24.0	-20.1	-19.2	-20.0	25.3	26.4	16.24	16.26	2.13	2.17	2.13	0.74	0.45	0.95	0.15	13.58	12.75	225.0	975	51.70	
		14:15:42	7.9	100.0	75.0	27.4	28.8	14.1	-24.1	-20.3	-19.3	-20.2	25.1	26.1	16.11	16.14	2.11	2.14	2.11	0.74	0.44	0.96	0.15	13.58	12.71	222.0	975	51.01
14:16:41		7.9	100.0	75.1	27.3	28.7	14.0	-24.2	-20.4	-19.6	-20.4	25.2	26.2	16.11	16.14	2.11	2.14	2.11	0.74	0.46	0.96	0.16	13.58	12.68	222.0	975	50.33	
14:17:41		7.9	100.0	75.1	27.3	28.7	14.2	-24.3	-20.6	-19.8	-20.6	25.2	26.2	16.11	16.14	2.08	2.11	2.08	0.74	0.45	0.96	0.16	13.61	12.64	219.0	975	54.94	
14:19:11		7.9	100.0	75.4	27.4	28.7	14.2	-24.5	-20.8	-19.9	-20.8	25.3	26.4	16.11	16.14	2.06	2.08	2.										

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Day	Time	T _{CP} (°C)	T _{CPO} (°C)	T _{CR} (°C)	T _{CRO} (°C)	T _{LGL} (°C)	T _{LGL0} (°C)	T _{ERI} (°C)	T _{ERO} (°C)	T _{EBI} (°C)	T _{EBO} (°C)	T _{CI} (°C)	T _{CO} (°C)	P _{CR} (MPa)	P _{CPO} (MPa)	P _{CP} (MPa)	P _{ERI} (MPa)	P _{ERO} (MPa)	P _{CI} (MPa)	P _{CO} (MPa)	P _{EBI} (MPa)	P _{EBO} (MPa)	m _{CC} (m³/h)	m _{EB} (m³/h)	m _R (kg/h)	n (rpm)	T _{rr} (N·m)	
9月7日	20:10:11	8.2	100.0	76.7	27.3	28.8	14.1	-24.3	-20.8	-19.9	-20.8	25.2	26.2	16.11	16.14	2.08	2.11	2.08	0.73	0.43	0.97	0.16	13.58	12.68	213.0	975	55.62	
	20:11:11	8.1	100.0	76.8	27.4	28.7	14.2	-24.4	-20.7	-19.8	-20.6	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.74	0.46	0.97	0.16	13.58	12.64	213.0	975	51.70	
	20:12:11	8.1	100.0	76.7	27.5	28.8	14.1	-24.2	-20.6	-19.6	-20.4	25.4	26.4	16.24	16.26	2.08	2.12	2.08	0.75	0.46	0.96	0.17	13.58	12.68	213.0	975	54.94	
	20:13:11	8.1	100.0	76.9	27.6	28.9	14.1	-24.1	-20.4	-19.4	-20.2	25.5	26.6	16.24	16.26	2.11	2.14	2.11	0.71	0.43	0.95	0.17	13.58	12.71	219.0	975	52.97	
	20:14:11	8.1	100.0	76.7	27.6	29.0	14.1	-24.0	-20.2	-19.2	-20.1	25.4	26.5	16.24	16.26	2.13	2.16	2.13	0.73	0.44	0.96	0.17	13.54	12.71	219.0	975	54.94	
	20:15:11	8.1	100.0	76.2	27.5	29.0	14.1	-23.9	-20.2	-19.3	-20.2	25.3	26.3	16.11	16.26	2.13	2.16	2.13	0.72	0.42	0.96	0.16	13.58	12.71	228.0	975	52.29	
	20:16:12	8.1	100.0	76.0	27.4	28.9	14.1	-24.0	-20.3	-19.4	-20.3	25.2	26.3	16.11	16.14	2.13	2.16	2.13	0.74	0.44	0.97	0.16	13.58	12.68	222.0	975	52.29	
	20:17:11	8.1	100.0	76.6	27.4	28.8	14.1	-24.1	-20.5	-19.6	-20.4	25.2	26.3	16.11	16.14	2.11	2.14	2.11	0.73	0.44	0.96	0.14	13.58	12.68	219.0	975	51.70	
	20:18:11	8.1	100.0	76.6	27.4	28.8	14.1	-24.2	-20.6	-19.7	-20.6	25.3	26.3	16.11	16.14	2.08	2.14	2.11	0.73	0.44	0.95	0.14	13.61	12.68	219.0	975	52.29	
	20:19:41	8.2	100.0	76.9	27.5	28.8	14.2	-24.3	-20.7	-19.9	-20.8	25.4	26.4	16.11	16.26	2.08	2.11	2.08	0.73	0.44	0.97	0.15	13.61	12.64	219.0	975	51.01	
	20:20:41	8.2	100.0	76.6	27.5	28.9	14.2	-24.4	-20.8	-19.9	-20.7	25.4	26.4	16.11	16.26	2.08	2.11	2.08	0.73	0.46	0.97	0.16	13.58	12.68	210.0	975	56.21	
	↓																											
	22:10:11	8.2	100.0	76.8	27.6	28.9	14.1	-24.2	-20.4	-19.4	-20.3	25.5	26.6	16.24	16.26	2.11	2.14	2.11	0.72	0.43	0.96	0.15	13.58	12.71	216.0	975	57.58	
	22:11:11	8.1	100.0	77.1	27.6	28.9	14.1	-24.0	-20.2	-19.2	-20.0	25.4	26.5	16.24	16.26	2.11	2.14	2.11	0.73	0.42	0.95	0.13	13.58	12.75	222.0	975	58.17	
	22:12:11	8.1	100.0	76.7	27.5	28.9	14.1	-23.9	-20.2	-19.3	-20.1	25.2	26.2	16.11	16.14	2.13	2.16	2.13	0.72	0.43	0.97	0.17	13.58	12.71	228.0	975	50.33	
	22:13:11	8.1	100.0	76.6	27.																							

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Day	Time	T _{CP} (°C)	T _{CPO} (°C)	T _{CR} (°C)	T _{CRO} (°C)	T _{LEU} (°C)	T _{LELO} (°C)	T _{ER} (°C)	T _{ERO} (°C)	T _{EB} (°C)	T _{EBO} (°C)	T _{CI} (°C)	T _{CO} (°C)	P _{CR} (MPa)	P _{CPO} (MPa)	P _{CP} (MPa)	P _{EB} (MPa)	P _{EBO} (MPa)	P _{CI} (MPa)	P _{CO} (MPa)	P _{EB} (MPa)	P _{EBO} (MPa)	m _{CC} (m³/h)	m _{EB} (m³/h)	m _R (kg/h)	n (rpm)	T ₉₅ (N·m)
9月8日	6:18:41	8.0	100.0	76.3	27.4	28.8	14.1	-24.3	-20.5	-19.6	-20.4	25.3	26.4	16.11	16.14	2.08	2.11	2.08	0.74	0.44	0.96	0.17	13.61	12.71	213.0	975	51.01
	6:19:41	8.0	100.0	76.4	27.6	28.8	14.0	-24.2	-20.3	-19.3	-20.1	25.5	26.6	16.24	16.26	2.11	2.14	2.11	0.75	0.47	0.95	0.15	13.58	12.71	219.0	975	49.74
	6:20:41	8.0	100.0	76.2	27.6	28.9	14.0	-24.0	-20.2	-19.2	-20.0	25.4	26.5	16.24	16.26	2.13	2.16	2.13	0.74	0.44	0.96	0.16	13.61	12.75	225.0	975	56.90
	}																										
	8:10:11	8.1	100.0	75.9	27.5	28.9	14.2	-24.4	-20.8	-19.9	-20.7	25.5	26.5	16.24	16.26	2.06	2.09	2.05	0.75	0.46	0.97	0.13	13.58	12.64	210.0	975	57.58
	8:11:11	8.1	100.0	75.7	27.5	28.9	14.1	-24.4	-20.7	-19.7	-20.6	25.3	26.4	16.11	16.14	2.06	2.08	2.05	0.73	0.44	0.98	0.18	13.61	12.68	210.0	975	55.62
	8:12:11	8.1	100.0	75.8	27.4	28.9	14.1	-24.3	-20.5	-19.5	-20.4	25.3	26.3	16.11	16.14	2.08	2.12	2.08	0.75	0.47	0.96	0.17	13.58	12.75	216.0	975	49.74
	8:13:11	8.0	100.0	75.6	27.4	28.8	14.0	-24.1	-20.3	-19.3	-20.1	25.3	26.3	16.11	16.14	2.11	2.14	2.11	0.74	0.45	0.96	0.15	13.61	12.79	222.0	975	55.62
	8:14:11	8.0	100.0	76.1	27.4	28.8	14.0	-24.0	-20.2	-19.2	-20.1	25.3	26.4	16.11	16.14	2.11	2.14	2.11	0.74	0.46	0.96	0.17	13.61	12.75	225.0	975	56.90
	}																										
8:15:12	8.0	100.0	75.5	27.5	28.9	14.0	-24.1	-20.3	-19.4	-20.3	25.4	26.4	16.24	16.26	2.11	2.14	2.11	0.75	0.45	0.97	0.17	13.58	12.68	222.0	975	50.33	
8:16:11	8.0	100.0	75.7	27.5	28.9	14.1	-24.2	-20.4	-19.6	-20.5	25.4	26.4	16.11	16.26	2.08	2.14	2.11	0.74	0.45	0.97	0.14	13.58	12.64	219.0	975	56.90	
8:17:11	8.0	100.0	75.6	27.5	28.9	14.2	-24.3	-20.6	-19.8	-20.7	25.4	26.4	16.11	16.14	2.08	2.12	2.08	0.73	0.45	0.97	0.16	13.58	12.64	216.0	975	55.62	
8:18:11	8.0	100.0	75.7	27.4	28.9	14.2	-24.4	-20.8	-20.0	-20.8	25.3	26.4	16.11	16.14	2.06	2.09	2.05	0.72	0.43	0.96	0.16	13.58	12.60	210.0	975	56.21	
8:19:11	8.0	100.0	76.0	27.4	28.8	14.2	-24.5	-20.7	-19.8	-20.6	25.3	26.3	16.11	16.14	2.06	2.08	2.05	0.74	0.45	0.97	0.15	13.58	12.64	213.0	975	52.29	
8:20:11	8.0	100.0	75.5	27.4	28.8	14.1	-24.3	-20.6	-19.6	-20.4	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.76	0.47	0.96	0.16	13.54	12.68	216.0	975	51.70	
}																											
10:10:11	7.9	100.0	73.4	27.5	28.9	14.1	-24.2	-20.4	-19.5	-20.3	25.4	26.5	16.24	16.26	2.08	2.11	2.08	0.74	0.44	0.98	0.18	13.61	12.75	219.0	975	55.62	
10:11:11	7.9	100.0	73.8	27.6	28.9	14.1	-24.1	-20.2	-19.2	-20.1	25.4	26.5	16.24	16.26	2.11	2.14	2.11	0.75	0.46	0.96	0.19	13.61	12.71	222.0	975	54.25	
10:12:11	7.9	100.0	73.7	27.5	28.9	14.0	-24.0	-20.2	-19.3	-20.1	25.3	26.4	16.11	16.14	2.11	2.14	2.11	0.72	0.44	0.97	0.19	13.58	12.75	228.0	975	56.90	
10:13:11	7.9	100.0	73.6	27.4	28.9	14.2	-24.0	-20.3	-19.4	-20.3	25.2	26.3	16.11	16.14	2.11	2.14	2.11	0.75	0.46	0.96	0.17	13.58	12.68	222.0	975	52.29	
10:14:11	7.9	100.0	73.5	27.3	28.8	14.1	-24.2	-20.5	-19.6	-20.5	25.1	26.1	15.99	16.01	2.11	2.15	2.11	0.75	0.47	0.96	0.18	13.58	12.71	222.0	975	56.90	
}																											
10:15:11	7.9	100.0	73.8	27.4	28.7	14.2	-24.3	-20.6	-19.8	-20.7	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.74	0.45	0.97	0.17	13.58	12.60	222.0	975	57.58	
10:16:41	7.9	100.0	73.5	27.5	28.8	14.2	-24.4	-20.8	-19.9	-20.8	25.4	26.4	16.24	16.14	2.06	2.08	2.05	0.76	0.47	0.96	0.16	13.58	12.60	210.0	975	55.62	
10:17:41	7.9	100.0	73.7	27.5	28.9	14.1	-24.3	-20.7	-19.7	-20.6	25.4	26.5	16.24	16.14	2.08	2.11	2.08	0.73	0.45	0.96	0.16	13.58	12.64	213.0	975	52.97	
10:18:41	7.9	100.0	73.4	27.5	28.9	14.1	-24.2	-20.5	-19.5	-20.3	25.3	26.4	16.11	16.14	2.08	2.11	2.08	0.74	0.46	0.96	0.16	13.58	12.68	219.0	975	56.90	
10:19:41	7.9	100.0	73.4	27.4	28.9	14.1	-24.1	-20.2	-19.2	-20.0	25.3	26.4	16.11	16.14	2.11	2.14	2.11	0.75	0.46	0.96	0.17	13.58	12.75	216.0	975	56.90	
10:20:41	7.9	100.0	73.6	27.5	28.9	14.1	-24.0	-20.2	-19.2	-20.1	25.3	26.4	16.11	16.14	2.13	2.16	2.13	0.73	0.44	0.96	0.18	13.58	12.75	228.0	975	54.94	
}																											
12:10:11	8.0	100.0	73.3	27.4	28.7	14.1	-24.2	-20.5	-19.5	-20.4	25.3	26.4	16.11	16.14	2.08	2.14	2.11	0.74	0.46	0.97	0.17	13.58	12.68	216.0	975	55.62	
12:11:11	8.0	100.0	73.3	27.6	28.8	14.0	-24.1	-20.2	-19.2	-20.0	25.5	26.5	16.24	16.26	2.11	2.14	2.11	0.76	0.46	0.96	0.15	13.58	12.79	219.0	975	50.33	
12:12:11	8.0	100.0	73.1	27.6	28.9	13.9	-23.9	-20.1	-19.2	-20.1	25.5	26.5	16.24	16.26	2.13	2.16	2.13	0.76	0.47	0.97	0.17	13.58	12.75	228.0	975	50.33	
12:13:11	8.0	100.0	73.2	27.6	29.0	14.0	-24.0	-20.3	-19.4	-20.3	25.4	26.4	16.24	16.14	2.11	2.14	2.11	0.75	0.47	0.96	0.17	13.58	12.64	228.0	975	58.17	
12:14:11	8.0	100.0	73.3	27.5	28.9	14.2	-24.1	-20.5	-19.6	-20.5	25.3	26.3	16.11	16.14	2.11	2.14	2.11	0.75	0.47	0.97	0.16	13.58	12.64	219.0	975	52.29	
}																											
12:15:11	8.0	100.0	73.2	27.3	28.8	14.2	-24.3	-20.7	-19.8	-20.7	25.1	26.2	16.11	16.14	2.08	2.11	2.08	0.76	0.46	0.97	0.16	13.61	12.68	222.0	975	54.25	
12:16:12	8.1	100.0	73.4	27.3	28.8	14.2	-24.4	-20.8	-19.9	-20.8	25.2	26.2	16.11	16.14	2.06	2.11	2.08	0.74	0.45	0.97	0.18	13.58	12.68	213.0	975	51.70	
12:17:11	8.1	100.0	73.4	27.4	28.7	14.2	-24.3	-20.7	-19.7	-20.6	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.73	0.44	0.96	0.15	13.61	12.68	219.0	975	51.70	
12:18:11	8.0	100.0	73.4	27.5	28.8	14.1	-24.3	-20.5	-19.6	-20.4	25.4	26.5	16.24	16.26	2.08	2.11	2.08	0.75	0.45	0.97	0.17	13.61	12.71	219.0	975	54.94	
12:19:11	8.0	100.0	73.0	27.6	28.9	14.0	-24.1	-20.4	-19.4	-20.2	25.5	26.5	16.24	16.26	2.11	2.15	2.11	0.76	0.48	0.96	0.16	13.58	12.75	219.0	975	56.90	
12:20:11	8.0	100.0	73.2	27.6	28.9	14.0	-24.0	-20.2	-19.2	-20.0	25.4	26.5	16.24	16.26	2.11	2.14	2.11	0.73	0.45	0.97	0.18	13.58	12.79	222.0	975	56.21	
}																											
14:10:11	8.1	100.0	75.3	27.4	28.8																						

																						7/9							
Day	Time	T _{CPi} (°C)	T _{CPO} (°C)	T _{CRi} (°C)	T _{CRO} (°C)	T _{LGLi} (°C)	T _{LGLo} (°C)	T _{ERi} (°C)	T _{ERO} (°C)	T _{EBi} (°C)	T _{EBO} (°C)	T _{CI} (°C)	T _{CO} (°C)	P _{CRi} (MPa)	P _{CPO} (MPa)	P _{CPi} (MPa)	P _{ERi} (MPa)	P _{ERO} (MPa)	P _{CI} (MPa)	P _{CO} (MPa)	P _{EBi} (MPa)	P _{EBO} (MPa)	m _{CC} (m³/h)	m _{EB} (m³/h)	m _R (kg/h)	n (rpm)	T _{eq} (N·m)		
9月8日	18:14:19	8.1	100.0	76.5	27.4	28.8	14.2	-24.1	-20.5	-19.7	-20.5	25.2	26.2	16.11	16.14	2.11	2.15	2.11	0.72	0.44	0.96	0.16	13.54	12.64	225.0	975	57.58		
	18:15:12	8.1	100.0	76.3	27.4	28.8	14.2	-24.2	-20.6	-19.9	-20.7	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.72	0.43	0.97	0.15	13.61	12.60	219.0	975	56.21		
	18:16:11	8.1	100.0	76.3	27.4	28.8	14.2	-24.3	-20.8	-19.9	-20.8	25.3	26.4	16.11	16.14	2.08	2.11	2.08	0.74	0.45	0.96	0.17	13.58	12.60	210.0	975	50.33		
	18:17:11	8.1	100.0	76.4	27.5	28.8	14.2	-24.3	-20.7	-19.8	-20.6	25.4	26.4	16.24	16.26	2.08	2.11	2.08	0.74	0.44	0.95	0.15	13.54	12.60	216.0	975	56.21		
	18:18:11	8.1	100.0	76.3	27.6	28.9	14.2	-24.2	-20.5	-19.6	-20.4	25.5	26.5	16.24	16.26	2.08	2.11	2.08	0.74	0.45	0.96	0.15	13.54	12.64	216.0	975	52.97		
	18:19:11	8.1	100.0	76.7	27.6	28.9	14.2	-24.1	-20.4	-19.4	-20.2	25.4	26.5	16.24	16.26	2.11	2.14	2.11	0.75	0.46	0.96	0.17	13.58	12.68	219.0	975	52.97		
	18:20:11	8.1	100.0	76.3	27.5	28.9	14.2	-24.0	-20.2	-19.2	-20.0	25.2	26.3	16.11	16.14	2.13	2.16	2.13	0.74	0.44	0.95	0.15	13.58	12.71	225.0	975	50.33		
	}																												
	20:10:11	8.1	100.0	76.8	27.4	28.8	14.1	-24.2	-20.5	-19.6	-20.4	25.2	26.2	16.11	16.14	2.08	2.12	2.08	0.74	0.45	0.96	0.16	13.58	12.68	216.0	975	55.62		
	20:11:11	8.1	100.0	76.6	27.4	28.8	14.1	-24.0	-20.3	-19.3	-20.1	25.3	26.3	16.11	16.14	2.11	2.14	2.11	0.75	0.46	0.96	0.16	13.61	12.75	219.0	975	50.33		
	20:12:11	8.1	100.0	76.7	27.5	28.9	14.2	-23.9	-20.1	-19.1	-20.0	25.4	26.5	16.24	16.26	2.13	2.16	2.13	0.73	0.44	0.97	0.16	13.58	12.75	228.0	975	56.90		
	20:13:11	8.1	100.0	76.7	27.7	28.9	14.2	-23.9	-20.2	-19.3	-20.1	25.5	26.6	16.24	16.26	2.13	2.16	2.13	0.74	0.45	0.96	0.16	13.58	12.71	225.0	975	50.33		
	20:14:11	8.1	100.0	76.7	27.6	29.0	14.2	-24.0	-20.4	-19.5	-20.4	25.4	26.5	16.24	16.26	2.11	2.14	2.11	0.75	0.47	0.96	0.16	13.58	12.68	222.0	975	56.90		
	20:15:11	8.1	100.0	76.8	27.6	29.0	14.4	-24.1	-20.5	-19.7	-20.6	25.4	26.4	16.11	16.14	2.11	2.14	2.11	0.74	0.45	0.95	0.17	13.58	12.64	222.0	975	56.90		
	20:16:41	8.1	100.0	76.7	27.4	28.8	14.2	-24.3	-20.8	-20.0	-20.8	25.2	26.2	16.11	16.14	2.08	2.12	2.08	0.73	0.45	0.96	0.15	13.58	12.64	216.0	975	50.33		
	20:17:41	8.1	100.0	76.8	27.4	28.8	14.2	-24.3	-20.7	-19.8	-20.6	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.72	0.42	0.97	0.17	13.58	12.64	219.0	975	56.90		
	20:18:41	8.1	100.0	76.7	27.4	28.8	14.2	-24.2	-20.5	-19.5	-20.4	25.3	26.4	16.11	16.14	2.08	2.11	2.08	0.73	0.44	0.96	0.16	13.61	12.68	213.0	975	56.21		
	20:19:41	8.1	100.0	76.6	27.6	28.8	14.2	-24.1	-20.3	-19.3	-20.1	25.4	26.5	16.24	16.26	2.11	2.14	2.11	0.76	0.45	0.96	0.15	13.58	12.75	219.0	975	56.90		
	20:20:41	8.1	100.0	77.2	27.6	28.9	14.2	-23.9	-20.1	-19.2	-20.0	25.5	26.6	16.24	16.26	2.13	2.16	2.13	0.73	0.44	0.95	0.15	13.58	12.75	225.0	975	55.62		
	}																												
	22:10:11	8.1	100.0	76.9	27.4	28.9	14.2	-24.0	-20.4	-19.5	-20.4	25.1	26.2	16.11	16.14	2.11	2.14	2.11	0.73	0.44	0.96	0.16	13.58	12.68	219.0	975	49.74		
	22:11:11	8.1	100.0	76.8	27.4	28.8	14.2	-24.2	-20.5	-19.7	-20.6	25.2	26.2	16.11	16.14	2.08	2.12	2.08	0.73	0.44	0.96	0.16	13.54	12.64	222.0	975	51.01		
	22:12:11	8.1	100.0	77.3	27.4	28.8	14.3	-24.3	-20.7	-19.9	-20.8	25.3	26.4	16.11	16.14	2.08	2.11	2.08	0.75	0.46	0.96	0.17	13.58	12.60	216.0	975	54.25		
	22:13:11	8.1	100.0	77.2	27.5	28.8	14.3	-24.4	-20.8	-19.9	-20.8	25.3	26.4	16.11	16.26	2.06	2.09	2.05	0.75	0.46	0.95	0.14	13.58	12.60	207.0	975	49.74		
	22:14:11	8.1	100.0	76.8	27.5	28.8	14.2	-24.3	-20.7	-19.7	-20.6	25.4	26.5	16.24	16.26	2.08	2.11	2.08	0.75	0.46	0.96	0.17	13.58	12.64	216.0	975	54.25		
	22:15:12	8.1	100.0	76.9	27.6	28.9	14.2	-24.2	-20.5	-19.5	-20.3	25.4	26.5	16.24	16.26	2.08	2.11	2.08	0.74	0.45	0.97	0.18	13.61	12.71	213.0	975	50.33		
	22:16:11	8.1	100.0	77.2	27.5	28.9	14.2	-24.0	-20.2	-19.2	-20.1	25.3	26.4	16.11	16.26	2.11	2.14	2.11	0.74	0.45	0.97	0.18	13.58	12.71	219.0	975	52.97		
	22:17:11	8.1	100.0	76.5	27.4	28.8	14.1	-23.9	-20.1	-19.2	-20.1	25.2	26.3	16.11	16.14	2.13	2.16	2.13	0.74	0.43	0.96	0.17	13.54	12.71	225.0	975	56.90		
	22:18:11	8.1	100.0	76.2	27.4	28.8	14.1	-24.0	-20.3	-19.4	-20.3	25.2	26.3	16.11	16.14	2.11	2.15	2.11	0.74	0.44	0.96	0.15	13.58	12.71	222.0	975	52.29		
	22:19:11	8.1	100.0	76.8	27.4	28.8	14.2	-24.1	-20.4	-19.6	-20.4	25.2	26.3	16.11	16.14	2.11	2.14	2.11	0.74	0.44	0.95	0.16	13.58	12.64	222.0	975	54.94		
	22:20:11	8.1	100.0	76.7	27.5	28.8	14.3	-24.2	-20.6	-19.8	-20.6	25.4	26.4	16.11	16.26	2.08	2.12	2.08	0.75	0.46	0.97	0.19	13.61	12.64	216.0	975	54.25		
	}																												
9月9日	0:10:11	8.1	100.0	76.5	27.6	28.9	14.2	-23.9	-20.1	-19.2	-20.1	25.3	26.4	16.11	16.14	2.13	2.16	2.13	0.73	0.45	0.97	0.17	13.54	12.71	228.0	975	56.90		
	0:11:11	8.1	100.0	76.5	27.4	28.9	14.2	-24.0	-20.3	-19.4	-20.3	25.2	26.3	16.11	16.14	2.11	2.14	2.11	0.74	0.44	0.97	0.18	13.54	12.71	225.0	975	56.21		
	0:12:11	8.1	100.0	76.6	27.4	28.8	14.2	-24.1	-20.5	-19.6	-20.5	25.2	26.3	16.11	16.14	2.11	2.14	2.11	0.74	0.46	0.96	0.15	13.58	12.68	219.0	975	52.29		
	0:13:11	8.1	100.0	76.7	27.4	28.8	14.2	-24.2	-20.7	-19.9	-20.7	25.2	26.3	16.11	16.14	2.08	2.11	2.08	0.74	0.45	0.97	0.16	13.50	12.56	219.0	975	50.33		
	0:14:11	8.1	100.0	76.9	27.4	28.8	14.2	-24.3	-20.8	-19.9	-20.8	25.4	26.4	16.11	16.14	2.06	2.09	2.05	0.74	0.44	0.96	0.15	13.54	12.56	210.0	975	51.70		
	0:15:11	8.1	100.0	76.5	27.6	28.8	14.2	-24.3	-20.7	-19.8	-20.6	25.5	26.5	16.24	16.26	2.08	2.11	2.08	0.75	0.47	0.95	0.15	13.54	12.60	216.0	975	54.94		
	0:16:11	8.1	100.0	76.6	27.6	28.9	14.2	-24.2	-20.5	-19.6	-20.4	25.5	26.5	16.24	16.26	2.08	2.11	2.08	0.75	0.47	0.93	0.13	13.54	12.64	216.0	975	56.90		
	0:17:12	8.1	100.0	76.7	27.6	29.0	14.2	-24.0	-20.3	-19.3	-20.1	25.5	26.5	16.24	16.26	2.11	2.14	2.11	0.73	0.44	0.96	0.18	13.54	12.71	219.0	975	56.21		
	0:18:11	8.1	100.0	76.3	27.6	29.0	14.2	-23.9	-20.1	-19.1	-20.0	25.4	26.5	16.24	16.26	2.13	2.16	2.13	0.74	0.44									

Day	Time	T _{CP} (°C)	T _{CO} (°C)	T _{CR} (°C)	T _{CO} (°C)	T _{GLU} (°C)	T _{GL0} (°C)	T _{ER} (°C)	T _{EO} (°C)	T _{EB} (°C)	T _{EO} (°C)	T _{CI} (°C)	T _{CO} (°C)	P _{CR} (MPa)	P _{CO} (MPa)	P _{CP} (MPa)	P _{EB} (MPa)	P _{EO} (MPa)	P _{CI} (MPa)	P _{CO} (MPa)	P _{EB} (MPa)	P _{EO} (MPa)	m _{CC} (m³/h)	m _{EB} (m³/h)	m _R (kg/h)	n (rpm)	T _{OR} (N·m)		
9月9日	6:10:11	8.1	100.0	76.3	27.6	28.9	14.0	-24.1	-20.3	-19.2	-20.1	25.5	26.6	16.24	16.26	2.11	2.14	2.11	0.73	0.45	0.96	0.17	13.54	12.71	219.0	975	52.29		
	6:11:11	8.1	100.0	76.1	27.6	28.9	14.0	-24.0	-20.2	-19.2	-20.1	25.4	26.5	16.24	16.26	2.13	2.16	2.13	0.74	0.46	0.95	0.17	13.54	12.68	228.0	975	54.25		
	6:12:11	8.1	100.0	76.7	27.5	28.9	14.2	-24.1	-20.3	-19.4	-20.3	25.3	26.4	16.11	16.14	2.11	2.14	2.11	0.73	0.44	0.97	0.18	13.54	12.68	225.0	975	56.21		
	6:13:11	8.1	100.0	76.5	27.5	28.9	14.2	-24.1	-20.4	-19.6	-20.4	25.3	26.3	16.11	16.14	2.11	2.14	2.11	0.73	0.44	0.97	0.19	13.54	12.64	222.0	975	51.01		
	6:14:11	8.1	100.0	76.4	27.4	28.8	14.1	-24.2	-20.6	-19.8	-20.6	25.1	26.1	15.99	16.01	2.08	2.11	2.08	0.73	0.43	0.96	0.17	13.54	12.60	219.0	975	54.94		
	6:15:11	8.1	100.0	76.7	27.4	28.7	14.1	-24.3	-20.8	-20.0	-20.8	25.3	26.3	16.11	16.14	2.06	2.08	2.05	0.74	0.45	0.95	0.15	13.54	12.56	216.0	975	49.74		
	6:16:11	8.1	100.0	76.6	27.4	28.8	14.2	-24.4	-20.8	-19.9	-20.7	25.3	26.4	16.11	16.14	2.06	2.08	2.05	0.74	0.45	0.96	0.15	13.58	12.60	213.0	975	53.66		
	6:17:12	8.1	100.0	76.4	27.5	28.8	14.1	-24.3	-20.6	-19.7	-20.5	25.5	26.5	16.24	16.26	2.08	2.11	2.08	0.74	0.44	0.96	0.17	13.58	12.68	216.0	975	56.21		
	6:18:11	8.1	100.0	76.4	27.6	28.9	14.1	-24.2	-20.4	-19.4	-20.2	25.4	26.5	16.24	16.26	2.08	2.11	2.08	0.74	0.46	0.93	0.14	13.58	12.68	216.0	975	50.33		
	6:19:41	8.1	100.0	76.0	27.6	28.9	14.1	-23.9	-20.2	-19.2	-20.1	25.4	26.5	16.24	16.26	2.13	2.16	2.13	0.74	0.45	0.96	0.17	13.54	12.71	228.0	975	50.33		
	6:20:41	8.1	100.0	76.1	27.5	28.9	14.2	-24.0	-20.3	-19.4	-20.3	25.3	26.4	16.11	16.26	2.11	2.14	2.11	0.73	0.44	0.96	0.16	13.54	12.64	222.0	975	54.94		
	}																												
	8:10:11	8.2	100.0	75.4	27.4	28.8	14.0	-24.0	-20.2	-19.3	-20.2	25.3	26.3	16.11	16.14	2.11	2.14	2.11	0.72	0.44	0.96	0.16	13.58	12.71	225.0	975	54.94		
	8:11:11	8.2	100.0	75.6	27.5	28.8	14.1	-24.0	-20.4	-19.5	-20.4	25.3	26.4	16.11	16.14	2.11	2.14	2.11	0.74	0.46	0.97	0.17	13.54	12.68	222.0	975	53.66		
	8:12:11	8.2	100.0	75.8	27.5	28.8	14.2	-24.2	-20.6	-19.7	-20.6	25.4	26.4	16.11	16.26	2.08	2.11	2.08	0.73	0.44	0.95	0.16	13.54	12.60	219.0	975	56.21		
	8:13:11	8.2	100.0	75.5	27.5	28.9	14.2	-24.3	-20.8	-20.0	-20.8	25.4	26.4	16.11	16.14	2.08	2.11	2.08	0.73	0.45	0.96	0.16	13.54	12.56	216.0	975	55.62		
	8:14:11	8.2	100.0	75.5	27.5	28.9	14.2	-24.4	-20.8	-19.9	-20.7	25.4	26.4	16.11	16.14	2.06	2.09	2.05	0.72	0.44	0.97	0.17	13.54	12.60	213.0	975	53.66		
	8:15:11	8.2	100.0	76.0	27.5	28.9	14.1	-24.3	-20.6	-19.6	-20.4	25.4	26.5	16.24	16.14	2.08	2.11	2.08	0.76	0.47	0.96	0.15	13.58	12.64	216.0	975	50.33		
	8:16:12	8.2	100.0	75.8	27.6	28.9	14.1	-24.1	-20.3	-19.3	-20.1	25.5	26.5	16.24	16.26	2.11	2.14	2.11	0.74	0.46	0.96	0.17	13.50	12.71	222.0	975	51.70		
	8:17:11	8.1	100.0	75.7	27.6	28.9	14.1	-23.9	-20.1	-19.2	-20.0	25.4	26.5	16.24	16.26	2.13	2.16	2.13	0.76	0.48	0.95	0.17	13.54	12.71	225.0	975	56.90		
	8:18:11	8.2	100.0	75.5	27.5	28.9	14.1	-23.9	-20.2	-19.4	-20.2	25.3	26.3	16.11	16.14	2.13	2.16	2.13	0.74	0.44	0.96	0.15	13.54	12.68	225.0	975	53.66		
	8:19:11	8.2	100.0	75.4	27.4	28.8	14.1	-24.1	-20.5	-19.6	-20.5	25.1	26.2	16.11	16.14	2.11	2.14	2.11	0.74	0.44	0.96	0.18	13.50	12.60	222.0	975	49.74		
	8:20:11	8.2	100.0	75.4	27.3	28.7	14.0	-24.2	-20.7	-19.9	-20.7	25.2	26.2	16.11	16.14	2.08	2.11	2.08	0.74	0.45	0.96	0.17	13.50	12.53	222.0	975	56.21		
	}																												
	10:10:11	8.3	100.0	75.3	27.4	28.8	14.0	-24.2	-20.5	-19.5	-20.4	25.3	26.4	16.11	16.14	2.08	2.14	2.11	0.73	0.44	0.97	0.17	13.58	12.68	219.0	975	49.05		
	10:11:11	8.3	100.0	75.2	27.6	28.9	14.1	-24.0	-20.3	-19.3	-20.1	25.5	26.6	16.24	16.26	2.11	2.14	2.11	0.75	0.47	0.97	0.17	13.58	12.71	225.0	975	51.01		
	10:12:11	8.3	100.0	75.1	27.7	29.0	14.0	-23.9	-20.1	-19.2	-20.0	25.5	26.6	16.24	16.26	2.13	2.16	2.13	0.73	0.44	0.95	0.16	13.58	12.71	228.0	975	56.90		
	10:13:11	8.3	100.0	74.8	27.7	29.0	14.1	-23.9	-20.3	-19.4	-20.2	25.5	26.5	16.24	16.26	2.13	2.17	2.13	0.74	0.44	0.95	0.15	13.58	12.60	225.0	975	56.21		
	10:14:11	8.3	100.0	74.8	27.5	29.0	14.2	-24.0	-20.5	-19.6	-20.5	25.3	26.3	16.11	16.14	2.11	2.14	2.11	0.73	0.45	0.95	0.14	13.58	12.60	225.0	975	54.25		
	10:15:11	8.3	100.0	75.2	27.4	28.8	14.1	-24.2	-20.7	-19.9	-20.7	25.1	26.1	15.99	16.14	2.08	2.11	2.08	0.75	0.46	0.95	0.16	13.58	12.56	222.0	975	55.29		
	10:16:11	8.3	100.0	75.2	27.4	28.8	14.1	-24.2	-20.8	-19.9	-20.8	25.3	26.3	16.11	16.14	2.08	2.11	2.08	0.73	0.44	0.95	0.16	13.58	12.56	210.0	975	52.62		
	10:17:12	8.3	100.0	75.2	27.4	28.8	14.2	-24.3	-20.7	-19.7	-20.6	25.3	26.4	16.11	16.14	2.08	2.11	2.08	0.73	0.46	0.96	0.16	13.58	12.60	216.0	975	55.62		
	10:18:11	8.3	100.0	75.2	27.5	28.8	14.1	-24.1	-20.5	-19.5	-20.3	25.3	26.4	16.11	16.14	2.11	2.14	2.11	0.74	0.45	0.95	0.15	13.58	12.68	216.0	975	54.94		
	10:19:11	8.3	100.0	75.1	27.6	28.9	14.1	-24.0	-20.2	-19.2	-20.0	25.4	26.5	16.24	16.26	2.11	2.14	2.11	0.74	0.46	0.95	0.15	13.54	12.71	222.0	975	56.90		
	10:20:11	8.3	100.0	75.5	27.7	29.0	14.1	-23.8	-20.1	-19.2	-20.1	25.5	26.6	16.24	16.26	2.13	2.16	2.13	0.74	0.44	0.95	0.16	13.54	12.68	228.0	975	50.33		
	}																												
	9月9日	12:19:11	20.7	48.2	36.3	27.8	27.3	16.5	-11.4	-0.8	-11.7	1.8	27.4	29.0	16.11	3.63	3.86	3.82	3.81	-0.03	-0.03	-0.07	-0.09	-0.07	-0.02	0.0	0	1.96	
		12:20:11	20.7	48.0	36.2	27.8	27.3	16.5	-11.3	-0.6	-11.5	2.0	27.4	29.1	16.11	3.75	3.89	3.85	3.83	-0.03	-0.03	-0.07	-0.09	-0.07	-0.03	0.0	0	1.96	
		12:20:41	20.7	47.9	36.2	27.8	27.3	16.5	-11.2	-0.6	-11.5	2.0	27.4	29.1	16.11	3.75	3.91	3.87	3.86	-0.03	-0.03	-0.07	-0.09	-0.07	-0.03	0.0	0	1.96	
		12:21:11	20.8	47.8	36.1	27.8	27.3	16.6	-11.1	-0.5	-11.4	2.1	27.4	29.1	16.11	3.75	3.91	3.87	3.86	-0.03	-0.03	-0.07	-0.09	-0.07	-0.02	0.0	0	1.96	
		12:21:41	20.9	47.8	36.1	27.9	27.3	16.6	-11.0	-0.4	-11.3	2.2	27.4	29.1	16.11	3.75	3.94	3.90	3.88	-0.03	-0.03	-0.07	-0.09	-0.07	-0.02	0.0	0	1.96	
		12:22:11	21.0	47.7	36.1																								

9/9																											
Day	Time	T _{CPI} (°C)	T _{CPO} (°C)	T _{CRI} (°C)	T _{CRO} (°C)	T _{LGLI} (°C)	T _{LGLO} (°C)	T _{ERI} (°C)	T _{ERO} (°C)	T _{EBI} (°C)	T _{EBO} (°C)	T _{CI} (°C)	T _{CO} (°C)	P _{CRI} (MPa)	P _{CPO} (MPa)	P _{CPI} (MPa)	P _{ERI} (MPa)	P _{ERO} (MPa)	P _{CI} (MPa)	P _{CO} (MPa)	P _{EBI} (MPa)	P _{EBO} (MPa)	m _{CC} (m³/h)	m _{EB} (m³/h)	m _R (kg/h)	n (rpm)	T _{OR} (N·m)
9月9日	12:34:42	22.2	46.1	35.3	28.2	27.6	17.4	-9.2	1.4	-9.5	3.7	27.8	29.7	16.24	4.00	4.24	4.23	4.21	-0.03	-0.03	-0.09	-0.11	-0.06	-0.02	0.0	0	196
	12:35:12	22.3	46.0	35.3	28.2	27.6	17.4	-9.3	1.5	-9.5	3.8	27.8	29.7	16.24	4.13	4.26	4.23	4.21	-0.03	-0.03	-0.09	-0.11	-0.06	-0.02	0.0	0	196
	12:35:41	22.3	46.0	35.3	28.2	27.6	17.4	-9.2	1.5	-9.4	3.8	27.8	29.7	16.24	4.13	4.29	4.25	4.24	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196
	12:36:11	22.3	46.0	35.2	28.2	27.6	17.6	-9.1	1.6	-9.3	3.9	27.8	29.7	16.24	4.13	4.29	4.25	4.24	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196
	12:36:41	22.4	45.9	35.2	28.2	27.6	17.5	-9.1	1.7	-9.3	3.9	27.8	29.8	16.24	4.13	4.31	4.28	4.26	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196
	12:37:11	22.4	45.8	35.2	28.2	27.6	17.5	-9.0	1.7	-9.2	4.0	27.8	29.8	16.24	4.13	4.31	4.28	4.26	-0.03	-0.03	-0.09	-0.11	-0.06	-0.02	0.0	0	196
	12:37:41	22.5	45.8	35.2	28.2	27.6	17.4	-9.0	1.8	-9.1	4.1	27.8	29.8	16.24	4.13	4.34	4.30	4.29	-0.03	-0.03	-0.09	-0.11	-0.07	-0.03	0.0	0	196
	12:38:11	22.6	45.7	35.1	28.2	27.6	17.5	-8.9	1.9	-9.1	4.1	27.9	29.8	16.24	4.13	4.34	4.30	4.29	-0.03	-0.03	-0.09	-0.11	-0.07	-0.03	0.0	0	196
	12:38:41	22.6	45.7	35.1	28.2	27.6	17.7	-8.8	1.9	-9.0	4.2	27.9	29.8	16.24	4.13	4.36	4.33	4.31	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196
	12:39:11	22.6	45.6	35.1	28.2	27.7	17.6	-8.8	2.0	-8.9	4.3	27.9	29.8	16.36	4.13	4.36	4.33	4.31	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196
	12:39:41	22.6	45.5	35.1	28.3	27.7	17.7	-8.7	2.1	-8.9	4.4	27.9	29.8	16.36	4.13	4.39	4.35	4.34	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196
	12:40:11	22.7	45.5	35.1	28.3	27.7	17.7	-8.7	2.1	-8.8	4.4	27.9	29.9	16.36	4.25	4.39	4.35	4.34	-0.03	-0.03	-0.07	-0.09	-0.07	-0.02	0.0	0	196
	12:40:41	22.7	45.4	35.0	28.3	27.7	17.9	-8.6	2.2	-8.7	4.5	27.9	29.9	16.36	4.25	4.41	4.38	4.36	-0.03	-0.03	-0.09	-0.11	-0.07	-0.03	0.0	0	196
	12:41:11	22.8	45.4	35.0	28.3	27.7	17.7	-8.5	2.3	-8.7	4.6	27.9	29.9	16.36	4.25	4.41	4.38	4.36	-0.03	-0.03	-0.09	-0.11	-0.07	-0.03	0.0	0	196
	12:41:41	22.8	45.4	35.0	28.3	27.7	17.7	-8.4	2.4	-8.6	4.7	27.9	29.9	16.36	4.25	4.44	4.40	4.39	-0.03	-0.03	-0.07	-0.09	-0.07	-0.03	0.0	0	196
	12:42:11	22.8	45.3	35.0	28.3	27.7	17.7	-8.4	2.4	-8.5	4.7	28.0	29.9	16.36	4.25	4.44	4.40	4.39	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196
	12:42:41	22.8	45.2	35.0	28.3	27.7	17.8	-8.3	2.5	-8.5	4.8	28.0	29.9	16.36	4.25	4.46	4.43	4.41	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196
	12:43:11	22.8	45.2	35.0	28.3	27.7	17.8	-8.3	2.5	-8.4	4.9	28.0	30.0	16.36	4.25	4.46	4.43	4.41	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196
	12:43:41	22.9	45.1	34.9	28.3	27.7	17.9	-8.2	2.6	-8.3	4.9	28.0	30.0	16.36	4.25	4.49	4.45	4.44	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196
	12:44:30	22.9	45.0	34.9	28.4	27.8	17.9	-8.1	2.7	-8.2	5.1	28.0	30.0	16.36	4.25	4.49	4.45	4.44	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196
12:44:41	22.9	45.0	34.9	28.4	27.8	18.0	-8.1	2.7	-8.2	5.1	28.0	30.0	16.36	4.25	4.51	4.48	4.46	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196	
12:45:11	22.9	45.0	34.9	28.4	27.8	18.0	-8.0	2.8	-8.1	5.2	28.0	30.0	16.36	4.38	4.51	4.48	4.46	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196	
12:45:41	23.0	44.9	34.9	28.4	27.8	18.0	-8.0	2.9	-8.1	5.2	28.1	30.0	16.36	4.38	4.54	4.50	4.49	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196	
12:46:11	23.1	44.9	34.8	28.4	27.8	18.0	-7.9	2.9	-8.0	5.3	28.1	30.1	16.36	4.38	4.54	4.50	4.49	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196	
12:46:41	23.1	44.8	34.8	28.4	27.9	18.2	-7.8	3.0	-7.9	5.4	28.1	30.1	16.36	4.38	4.56	4.53	4.51	-0.03	-0.03	-0.09	-0.11	-0.07	-0.03	0.0	0	196	
12:47:12	23.1	44.8	34.8	28.4	27.9	18.0	-7.8	3.1	-7.9	5.4	28.1	30.1	16.36	4.38	4.56	4.53	4.51	-0.03	-0.03	-0.09	-0.11	-0.07	-0.03	0.0	0	196	
12:47:41	23.2	44.7	34.8	28.4	27.9	18.1	-7.7	3.1	-7.8	5.5	28.1	30.1	16.36	4.38	4.59	4.55	4.54	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196	
12:48:11	23.3	44.7	34.8	28.4	27.9	18.2	-7.6	3.2	-7.7	5.6	28.1	30.1	16.36	4.38	4.59	4.55	4.54	-0.03	-0.03	-0.09	-0.11	-0.07	-0.03	0.0	0	196	
12:48:42	23.3	44.6	34.7	28.4	27.9	18.2	-7.6	3.2	-7.6	5.6	28.1	30.1	16.36	4.38	4.61	4.58	4.56	-0.03	-0.03	-0.09	-0.11	-0.07	-0.02	0.0	0	196	
12:49:11	23.4	44.6	34.7	28.4	27.9	18.2	-7.5	3.3	-7.6	5.7	28.1	30.1	16.36	4.38	4.61	4.58	4.56	-0.03	-0.03	-0.09	-0.11	-0.07	-0.03	0.0	0	196	

付表2 定常状態の実験データ(プレート式蒸発器)

Evaporator																				1/12
Run No.	Refrigerant	T _{EBI} (°C)	T _{EBO} (°C)	T _{ERI} (°C)	T _{ERO} (°C)	P _{ERI} (kPa)	P _{ERO} (kPa)	m _{EB} (kg/h)	y _B (wt%)	m _R (kg/h)	h _{ERI} (kJ/kg)	h _{ERO} (kJ/kg)	h _{ERD} (kJ/kg)	Q _{ER} (W)	Q _{ER1} (W)	Q _{ER2} (W)	Q _{EB} (W)	Q _{EB1} (W)	Q _{EB2} (W)	ΔT _{mE2} (°C)
735	HFC410A	1.7	-0.4	-6.8	-0.9	593.6	599.5	14.7	68.0	583.0	227.9	427.8	420.7	32150.0	1143.0	31010.0	29350.0	1043.0	28310.0	7.5
737		-3.0	-4.8	-10.7	-5.1	517.1	523.0	14.7	68.0	566.9	228.3	425.9	419.3	26680.0	891.8	25790.0	23630.0	789.6	22840.0	6.7
739		-8.3	-9.6	-14.9	-9.8	441.6	446.5	14.5	38.0	537.2	224.2	423.7	417.7	21940.0	655.4	21280.0	21090.0	630.0	20460.0	5.9
744		-12.7	-13.9	-18.7	-14.2	379.8	385.7	14.0	68.0	514.8	221.9	421.6	416.2	17970.0	488.1	17480.0	14460.0	392.8	14070.0	5.4
745		-19.3	-20.1	-23.9	-20.3	309.1	314.0	12.9	68.0	491.5	219.1	418.4	414.0	12960.0	286.3	12670.0	9861.0	217.9	9643.0	4.1
750		-21.8	-22.6	-25.8	-22.6	284.6	289.5	12.5	68.0	478.4	219.2	417.1	413.1	10220.0	205.9	10020.0	8357.0	168.3	8189.0	3.6
754		-13.1	-14.1	-18.8	-14.4	377.8	382.7	14.0	68.0	513.1	226.1	421.5	416.1	16120.0	441.9	15680.0	13000.0	356.3	12640.0	5.2
759		-8.1	-9.4	-14.8	-9.8	441.6	446.5	14.5	68.0	529.4	228.6	423.8	417.8	20660.0	638.2	20020.0	16830.0	519.9	16310.0	5.9
762		1.9	-0.3	-6.6	-0.6	598.5	605.3	14.6	68.0	586.8	232.9	427.9	420.8	31040.0	1135.0	29910.0	27980.0	1023.0	26950.0	7.4
763		6.5	4.1	-2.6	3.6	686.7	693.6	14.3	68.0	591.7	236.8	429.7	422.2	35370.0	1385.0	33980.0	32490.0	1272.0	31220.0	7.9
767		-3.0	-4.6	-10.7	-5.0	518.2	524.1	14.8	68.0	567.8	230.7	426.0	419.4	25880.0	878.0	25000.0	22720.0	771.0	21950.0	6.7
773		-3.1	-4.8	-10.7	-5.0	516.2	522.1	14.8	68.0	560.6	231.1	426.0	419.3	25510.0	876.9	24630.0	22350.0	768.3	21580.0	6.7
776		-2.9	-4.5	-10.6	-4.8	518.1	524.0	14.8	68.0	561.4	235.4	426.2	419.4	24160.0	863.0	23300.0	21060.0	752.3	20310.0	6.8
782		6.6	4.2	-2.5	3.8	689.8	695.7	14.2	68.0	591.9	239.2	429.9	422.2	34790.0	1401.0	33390.0	32790.0	1320.0	31470.0	7.9
785		-3.5	-5.1	-11.4	-5.5	504.5	510.4	14.5	70.0	569.6	233.0	425.9	419.1	23800.0	844.6	22950.0	20710.0	734.9	19970.0	7.0
802		-3.3	-4.8	-11.6	-5.3	497.8	502.7	14.5	70.0	569.7	233.4	426.3	419.0	23790.0	898.0	22890.0	20350.0	768.3	19580.0	7.4
804		1.7	-0.3	-7.0	-0.8	554.7	559.6	14.1	70.0	583.3	237.9	429.2	420.7	28840.0	1282.0	27560.0	25560.0	1136.0	24420.0	7.8
809		-7.8	-9.0	-15.4	-9.5	432.0	436.9	14.4	70.0	540.9	233.0	424.3	417.5	18800.0	665.8	18140.0	15490.0	548.5	14940.0	6.9
816		1.6	-0.3	-7.3	-0.8	579.1	584.0	14.4	70.0	580.4	235.5	428.3	420.5	29240.0	1183.0	28060.0	26500.0	1072.0	25430.0	8.0
821		1.6	-1.6	-8.4	-2.1	553.6	559.5	8.7	70.0	581.9	236.0	427.8	420.2	27660.0	1107.0	26560.0	25470.0	1019.0	24450.0	8.4
824		-3.1	-5.6	-12.3	-6.1	483.1	488.0	8.6	70.0	559.5	233.4	426.0	418.7	22780.0	858.5	21930.0	20510.0	772.9	19740.0	7.9
826		-8.1	-10.5	-16.5	-10.8	412.5	417.4	7.8	70.0	544.0	230.9	423.7	417.1	18320.0	631.2	17680.0	16650.0	573.6	16070.0	7.1
829		-13.0	-14.9	-20.3	-15.0	355.5	360.4	7.7	70.0	508.8	228.5	421.6	415.5	14640.0	461.9	14180.0	13000.0	410.0	12590.0	6.3
832		-19.9	-21.2	-25.9	-21.4	282.8	286.8	7.2	70.0	451.4	226.4	418.3	413.1	9912.0	270.2	9642.0	8687.0	236.8	8451.0	5.3
839		-21.3	-22.4	-27.1	-22.7	270.9	273.9	7.2	68.0	437.7	226.9	417.6	412.5	8740.0	232.7	8507.0	7411.0	197.3	7214.0	5.2
842		-19.4	-20.7	-25.5	-20.9	288.6	291.5	7.3	70.0	440.2	227.7	418.6	413.2	9860.0	276.9	9583.0	8288.0	232.7	8055.0	5.5
844		-12.9	-14.8	-20.4	-15.1	355.3	360.2	7.4	70.0	441.6	230.0	421.5	415.5	13890.0	438.7	13450.0	12560.0	396.7	12160.0	6.5
847		-8.3	-10.6	-16.5	-10.9	414.1	419.0	7.7	70.0	467.3	232.5	423.6	417.1	17680.0	601.9	17080.0	15770.0	537.0	15240.0	7.0
851		-3.3	-6.3	-12.8	-6.8	475.5	480.4	7.4	69.0	565.0	233.4	425.6	418.5	22260.0	821.7	21440.0	20180.0	744.8	19430.0	7.9
852		-3.5	-6.4	-12.8	-6.8	475.6	480.5	7.4	69.0	557.7	235.6	425.6	418.5	21370.0	790.2	20580.0	19760.0	730.6	19030.0	7.8
856		1.6	-1.8	-8.8	-2.3	554.7	559.6	7.4	69.0	581.2	238.2	427.6	420.0	26200.0	1042.0	25160.0	23940.0	952.1	22980.0	8.6
858		-8.4	-10.8	-16.6	-11.1	411.6	416.5	7.3	69.0	531.9	233.2	423.5	417.0	17280.0	587.6	16690.0	15880.0	539.9	15340.0	7.0
863		-8.0	-10.6	-16.5	-10.9	414.6	418.5	7.3	69.0	532.2	228.1	423.6	417.1	18900.0	634.1	18260.0	17170.0	576.2	16600.0	7.2
864		-13.3	-15.4	-20.6	-15.6	352.8	357.7	7.2	69.0	512.1	226.3	421.2	415.4	14940.0	445.5	14500.0	13470.0	401.5	13070.0	6.2
867		-19.9	-21.4	-25.9	-21.5	284.0	287.9	6.9	69.0	489.9	224.4	418.1	413.1	10330.0	270.3	10060.0	9195.0	240.5	8954.0	5.3
872		-21.8	-23.1	-27.5	-23.4	265.4	268.3	6.8	69.0	486.5	223.5	417.2	412.3	9359.0	233.5	9125.0	8147.0	203.2	7944.0	5.0
873		-22.0	-23.4	-27.5	-23.5	264.3	268.2	6.8	69.0	473.4	219.4	417.1	412.3	10210.0	244.3	9968.0	8570.0	205.0	8365.0	4.8
878		-19.8	-21.4	-26.1	-21.7	279.1	283.0	6.9	69.0	476.1	220.0	418.1	413.0	11060.0	288.6	10770.0	10260.0	267.7	9991.0	5.5
880		-13.0	-15.2	-20.6	-15.5	349.7	354.6	7.1	69.0	498.1	222.6	421.4	415.4	15900.0	479.7	15420.0	14500.0	437.5	14070.0	6.5
883		-8.0	-10.9	-16.9	-11.3	406.6	411.5	7.2	69.0	520.2	224.7	423.5	416.9	19710.0	651.6	19060.0	18540.0	613.0	17930.0	7.4
885		-3.3	-6.6	-13.0	-7.0	471.4	477.3	7.4	69.0	545.1	227.1	425.5	418.4	23800.0	843.6	22960.0	22510.0	797.9	21720.0	8.0
889		1.4	-2.4	-9.3	-3.0	543.7	548.6	7.6	69.0	574.6	230.1	427.3	419.9	28760.0	1078.0	27680.0	27040.0	1014.0	26020.0	8.7
892		1.8	-1.9	-8.8	-2.4	541.7	547.6	7.6	69.0	576.0	234.4	427.8	420.0	27560.0	1110.0	26450.0	25920.0	1044.0	24870.0	8.7
894		-3.4	-6.4	-12.9	-6.8	469.2	474.1	7.5	69.0	550.2	232.2	425.8	418.5	22750.0	851.1	21900.0	21030.0	787.0	20250.0	7.9
897		-8.0	-9.8	-16.2	-10.3	418.3	423.2	10.2	69.0	535.2	229.6	424.0	417.2	19440.0	677.9	18760.0	16960.0	591.5	16370.0	7.2

Evaporator																			2/12	
Run No.	Refrigerant	U_{Exp} (W/m ² ·K)	v_{EB} (m/s)	q (W/m ²)	T_{ERm} (°C)	T_{WIE} (°C)	ΔT_{satE} (°C)	NU_{EB} (-)	Re_{EB} (-)	Pr_{EB} (-)	h_{EB} (W/(m ² ·K))	h_{ER} (W/(m ² ·K))	γ (-)	H (-)	f_{pX} (-)	(p_L / p_V) (-)	U_{Ecal} (W/m ² ·K)	ΔP_{EB} (m)	λ (-)	
735	HFC410A	860.3	0.36	6436.0	-6.8	-1.5	5.4	38.1	221.4	66.4	3202.0	1213.0	47.4	0.035	11.5	49.1	812.7			
737		768.7	0.37	5181.0	-10.7	-5.8	4.8	34.2	176.3	83.2	2879.0	1078.0	42.7	0.030	8.5	56.5	744.3			
739		779.1	0.36	4624.0	-14.9	-10.1	4.8	45.6	330.8	43.5	4266.0	977.3	37.5	0.029	7.0	66.1	744.6			
744		587.6	0.35	3171.0	-18.7	-14.8	3.9	25.9	102.0	134.5	2180.0	821.5	33.8	0.023	4.4	76.5	601.4			
745		522.9	0.32	2162.0	-23.9	-21.0	2.8	20.6	66.6	187.2	1731.0	764.0	29.9	0.016	2.7	93.8	525.3			
750		515.5	0.31	1833.0	-25.8	-23.4	2.4	18.0	54.0	206.3	1628.0	769.5	27.9	0.014	2.2	101.3	494.1			
754		545.6	0.35	2850.0	-18.8	-15.0	3.8	25.6	100.0	136.7	2157.0	744.4	32.2	0.023	4.0	76.9	579.4			
759		622.0	0.36	3691.0	-14.8	-10.4	4.4	29.8	133.6	107.0	2508.0	845.2	35.9	0.027	5.6	65.8	641.9			
762		827.0	0.36	6135.0	-6.6	-1.3	5.4	38.1	221.9	66.0	3201.0	1148.0	46.2	0.035	11.0	48.6	797.4			
763		897.8	0.35	7125.0	-2.6	3.1	5.7	40.6	258.1	55.9	3423.0	1256.0	51.3	0.038	13.9	42.2	860.9			
767		739.7	0.37	4983.0	-10.7	-5.6	4.9	34.3	177.6	82.9	2891.0	1020.0	41.4	0.031	8.2	56.3	728.4			
773		729.1	0.37	4901.0	-10.7	-5.8	4.9	34.3	177.3	83.1	2891.0	1000.0	40.9	0.031	8.1	56.4	721.9			
776		683.3	0.37	4620.0	-10.6	-5.4	5.1	34.5	178.7	82.3	2900.0	915.0	38.9	0.032	7.6	56.1	695.4			
782		905.9	0.35	7190.0	-2.5	3.2	5.7	40.5	257.2	55.7	3409.0	1274.0	51.8	0.038	14.0	42.0	866.4			
785		647.7	0.36	4541.0	-11.4	-6.0	5.2	32.6	160.9	89.9	2710.0	870.3	36.9	0.033	7.4	57.9	660.6			
802		601.5	0.36	4463.0	-11.6	-5.8	5.7	32.8	162.9	89.0	2728.0	787.4	34.0	0.035	7.2	58.3	622.6			
804		718.5	0.35	5605.0	-7.0	-1.3	5.8	36.2	203.7	69.9	3011.0	967.2	40.2	0.038	9.5	49.4	709.4			
809		492.3	0.36	3397.0	-15.4	-9.9	5.4	29.2	128.0	111.3	2423.0	627.9	28.5	0.033	5.1	67.4	537.8			
816		729.0	0.36	5812.0	-7.3	-1.4	6.0	36.7	206.9	70.3	3054.0	981.8	40.7	0.038	10.2	50.0	720.0			
821		666.7	0.22	5586.0	-8.4	-2.9	5.5	24.2	121.5	72.1	2010.0	1024.0	41.3	0.035	9.6	52.0	650.2			
824		572.8	0.21	4499.0	-12.3	-6.9	5.3	21.5	95.6	90.2	1788.0	861.5	35.7	0.033	7.1	59.9	575.7			
826		514.5	0.19	3650.0	-16.5	-11.9	4.5	17.4	66.1	116.4	1449.0	814.6	33.4	0.027	5.3	70.2	520.0			
829		451.9	0.19	2850.0	-20.3	-16.2	4.0	15.4	51.1	147.2	1275.0	712.9	29.9	0.024	3.8	81.2	469.0			
832		357.0	0.18	1905.0	-25.9	-22.4	3.5	12.1	33.6	198.5	1062.0	545.3	20.9	0.020	2.3	101.9	355.9			
839		311.0	0.18	1625.0	-27.1	-23.4	3.7	11.7	31.9	200.9	1060.0	445.3	16.9	0.021	1.9	106.8	309.0			
842		330.8	0.18	1817.0	-25.5	-21.8	3.7	12.6	35.1	201.6	1049.0	489.1	19.3	0.021	2.2	100.2	336.2			
844		422.8	0.18	2754.0	-20.4	-16.1	4.3	15.0	49.8	146.6	1248.0	650.0	28.0	0.025	3.7	81.6	446.9			
847		495.4	0.19	3459.0	-16.5	-12.0	4.5	17.2	64.6	117.2	1427.0	774.0	32.6	0.027	5.1	70.3	509.9			
851		559.7	0.18	4425.0	-12.8	-7.6	5.1	19.0	82.1	89.7	1590.0	883.4	36.2	0.031	7.0	61.1	559.1			
852		558.7	0.18	4333.0	-12.8	-7.8	5.0	18.9	81.4	90.4	1584.0	882.7	36.4	0.031	6.8	61.1	560.5			
856		613.4	0.18	5249.0	-8.8	-3.1	5.6	21.5	105.9	70.5	1799.0	953.5	39.6	0.036	9.0	52.6	610.3			
858		498.7	0.18	3483.0	-16.6	-12.2	4.5	16.7	63.1	114.5	1398.0	791.1	33.0	0.027	5.1	70.6	510.0			
863		525.1	0.18	3766.0	-16.5	-12.0	4.5	16.8	64.1	112.7	1409.0	855.5	34.4	0.027	5.5	70.3	524.4			
864		476.5	0.18	2954.0	-20.6	-16.8	3.8	14.6	48.3	146.2	1224.0	796.4	32.2	0.022	4.0	82.3	482.7			
867		381.0	0.17	2016.0	-25.9	-22.6	3.3	11.8	32.8	191.2	1048.0	608.2	23.0	0.019	2.4	101.9	376.8			
872		354.2	0.17	1787.0	-27.5	-24.3	3.2	10.9	28.3	217.9	968.8	566.5	20.4	0.018	2.1	108.6	341.3			
873		392.0	0.17	1879.0	-27.5	-24.7	2.8	10.8	27.8	221.8	960.3	673.9	23.6	0.016	2.2	108.6	371.8			
878		410.3	0.17	2250.0	-26.1	-22.8	3.3	11.8	32.8	191.0	1048.0	686.2	25.3	0.019	2.7	102.6	400.3			
880		490.9	0.18	3181.0	-20.6	-16.8	3.8	14.6	48.2	144.4	1217.0	840.9	32.7	0.022	4.2	82.4	486.2			
883		548.8	0.18	4067.0	-16.9	-12.5	4.5	16.6	62.9	113.7	1392.0	927.8	35.4	0.027	5.9	71.4	532.2			
885		618.8	0.18	4937.0	-13.0	-8.1	4.8	19.0	81.5	90.3	1585.0	1042.0	39.7	0.030	7.7	61.6	591.7			
889		685.2	0.19	5929.0	-9.3	-3.8	5.4	21.7	105.9	71.8	1811.0	1135.0	43.3	0.034	10.1	53.6	648.1			
892		655.1	0.19	5683.0	-8.8	-3.3	5.5	21.9	108.4	70.2	1832.0	1047.0	41.3	0.035	9.6	52.7	630.4			
894		586.7	0.19	4613.0	-12.9	-7.8	5.0	19.2	82.9	90.1	1606.0	946.9	37.6	0.031	7.2	61.2	574.5			
897		516.6	0.25	3720.0	-16.2	-11.0	5.1	22.3	91.6	110.6	1862.0	728.3	30.7	0.031	5.5	69.3	532.1			

Evaporator																				3/12
Run No.	Refrigerant	T _{EBI} (°C)	T _{EBO} (°C)	T _{ERI} (°C)	T _{ERO} (°C)	P _{ERI} (kPa)	P _{ERO} (kPa)	m _{EB} (kg/h)	y _B (wt%)	m _R (kg/h)	h _{ERI} (kJ/kg)	h _{ERO} (kJ/kg)	h _{ERD} (kJ/kg)	Q _{ER} (W)	Q _{ER1} (W)	Q _{ER2} (W)	Q _{EB} (W)	Q _{EB1} (W)	Q _{EB2} (W)	ΔT _{me2} (°C)
901	HFC410A	-12.9	-14.4	-19.9	-14.5	359.5	364.4	10.1	69.0	503.6	227.2	421.9	415.7	15580.0	500.7	15080.0	13670.0	439.5	13230.0	6.3
905		-20.1	-21.1	-25.7	-21.1	284.3	288.2	9.7	68.0	489.4	225.0	418.5	413.2	10160.0	277.5	9880.0	8641.0	236.1	8405.0	5.0
906		-3.0	-5.3	-12.0	-5.8	487.6	492.5	9.7	69.0	567.5	236.5	426.2	418.8	22450.0	871.0	21580.0	20770.0	805.6	19960.0	7.7
910		1.4	-1.3	-8.1	-1.8	569.1	564.2	10.3	69.0	583.6	238.9	428.1	420.3	26950.0	1109.0	25840.0	25090.0	1032.0	24050.0	8.1
914		-8.4	-10.1	-16.2	-10.4	425.9	422.0	10.0	69.0	537.5	234.0	423.9	417.2	17880.0	636.5	17250.0	15230.0	542.1	14690.0	6.9
915		-13.2	-14.5	-20.1	-14.7	367.2	363.2	9.8	69.0	442.5	231.4	421.8	415.6	14280.0	466.1	13820.0	12040.0	392.8	11650.0	6.2
931		-13.3	-14.5	-20.4	-14.8	363.3	358.4	10.7	69.0	445.9	228.8	421.9	415.5	14480.0	479.7	14000.0	12070.0	399.8	11670.0	6.5
934		-7.8	-9.6	-16.1	-10.1	430.1	424.2	9.9	70.0	547.4	231.5	424.2	417.2	18940.0	684.1	18260.0	16670.0	602.1	16070.0	7.4
938		-3.4	-5.6	-12.3	-6.0	493.9	488.0	10.1	70.0	561.6	234.2	426.1	418.7	22860.0	875.6	21980.0	20340.0	779.0	19560.0	7.7
941		1.8	-0.9	-8.0	-1.4	575.3	569.4	10.2	70.0	581.6	236.5	428.2	420.3	28100.0	1150.0	26950.0	25960.0	1062.0	24900.0	8.4
942		1.3	-1.5	-8.4	-1.9	559.4	554.5	10.1	70.0	580.8	234.4	428.1	420.2	28580.0	1175.0	27400.0	26620.0	1094.0	25530.0	8.3
947		1.6	-1.4	-8.4	-1.9	565.4	559.5	10.1	70.0	571.7	230.2	428.0	420.1	30000.0	1190.0	28810.0	28050.0	1113.0	26940.0	8.5
949		1.7	-1.3	-8.4	-1.8	568.3	562.5	10.1	70.0	572.7	230.0	428.0	420.1	30200.0	1197.0	29000.0	27950.0	1108.0	26840.0	8.6
953		-3.3	-5.8	-12.5	-6.3	491.6	485.8	10.0	70.0	553.5	227.7	426.0	418.7	25110.0	922.9	24190.0	22760.0	836.6	21930.0	7.8
955		-8.1	-10.2	-16.6	-10.6	423.1	417.2	9.9	70.0	528.2	225.1	423.9	417.0	20370.0	702.0	19670.0	17800.0	613.3	17180.0	7.4
959		-13.1	-14.6	-20.5	-15.0	363.2	358.3	10.0	70.0	499.2	222.9	421.7	415.4	16240.0	513.7	15730.0	13990.0	442.6	13550.0	6.6
963		-22.1	-23.0	-27.5	-23.0	271.0	267.1	9.9	70.0	482.8	219.8	417.5	412.3	9721.0	255.2	9466.0	7908.0	207.6	7700.0	5.0

Evaporator																			4/12	
Run No.	Refrigerant	U_{Exp} (W/m ² ·K)	v_{EB} (m/s)	q (W/m ²)	T_{ERm} (°C)	T_{WIE} (°C)	ΔT_{satE} (°C)	Nu_{EB} (-)	Re_{EB} (-)	Pr_{EB} (-)	h_{EB} (W/(m ² ·K))	h_{ER} (W/(m ² ·K))	γ (-)	H (-)	f_{pX} (-)	(ρ_L / ρ_v) (-)	U_{Ecal} (W/m ² ·K)	ΔP_{EB} (m)	λ (-)	
901	HFC410A	475.0	0.25	2998.0	-19.9	-15.5	4.4	19.6	70.7	140.7	1639.0	680.5	28.6	0.026	4.1	80.2	495.0			
905		376.9	0.24	1895.0	-25.7	-22.0	3.7	15.5	47.2	183.7	1411.0	521.2	20.3	0.021	2.3	100.8	379.3			
906		589.8	0.24	4554.0	-12.0	-6.5	5.4	24.0	111.0	86.9	2004.0	854.2	35.6	0.033	7.3	59.3	594.4			
910		677.1	0.26	5501.0	-8.1	-2.4	5.7	28.1	148.3	69.8	2348.0	975.4	40.6	0.036	9.6	51.4	672.5	2.4	6.8	
914		482.4	0.25	3340.0	-16.2	-11.2	5.0	21.6	87.6	112.6	1808.0	669.3	29.8	0.030	5.0	69.5	517.3	3.1	9.4	
915		425.2	0.24	2640.0	-20.1	-15.6	4.5	19.0	67.4	142.4	1586.0	589.9	26.7	0.026	3.6	80.6	467.4	3.5	11.1	
931		407.3	0.27	2646.0	-20.4	-15.5	4.9	20.3	73.5	142.6	1700.0	543.1	24.8	0.029	3.6	81.6	452.7	4.1	10.7	
934		496.3	0.25	3656.0	-16.1	-10.8	5.3	21.6	87.5	112.7	1794.0	698.4	30.1	0.032	5.5	69.2	519.5	3.1	9.5	
938		575.9	0.25	4460.0	-12.3	-6.8	5.5	24.2	110.4	90.9	2012.0	823.9	34.9	0.034	7.2	60.0	587.7	2.9	8.5	
941		679.2	0.25	5694.0	-8.0	-2.1	5.8	27.6	144.5	70.8	2297.0	989.1	40.8	0.037	10.0	51.2	670.1	2.6	7.6	
942		701.8	0.25	5839.0	-8.4	-2.8	5.7	27.3	141.1	72.3	2268.0	1044.0	41.7	0.036	10.1	52.0	678.7	2.6	7.5	
947		722.9	0.25	6152.0	-8.4	-2.8	5.7	27.4	142.1	71.7	2276.0	1089.0	42.6	0.036	10.7	52.1	689.3	2.6	7.5	
949		710.1	0.25	6129.0	-8.4	-2.6	5.9	27.4	142.2	71.4	2274.0	1061.0	41.8	0.037	10.7	52.1	680.6	2.5	7.4	
953		639.1	0.25	4992.0	-12.5	-7.1	5.2	24.1	109.6	91.2	2003.0	962.0	38.0	0.032	8.0	60.3	622.7	2.8	8.4	
955		529.3	0.24	3903.0	-16.6	-11.5	5.1	21.2	84.8	115.3	1763.0	771.6	31.6	0.031	5.8	70.4	535.9	3.2	9.8	
959		462.0	0.25	3068.0	-20.5	-15.8	4.7	19.1	67.2	146.3	1586.0	663.0	27.8	0.027	4.2	81.9	481.0	3.8	11.2	
963		345.9	0.25	1734.0	-27.5	-23.9	3.6	14.6	39.9	227.7	1274.0	480.7	18.1	0.020	2.1	108.9	342.2	5.3	16.2	

Evaporator																				5/12
Run No.	Refrigerant	T _{EB1} (°C)	T _{EBO} (°C)	T _{ER1} (°C)	T _{ERO} (°C)	P _{ER1} (kPa)	P _{ERO} (kPa)	m _{EB} (kg/h)	y _B (wt%)	m _R (kg/h)	Q _{ER} (W)	Q _{ER1} (W)	Q _{ER2} (W)	Q _{EB} (W)	Q _{EB1} (W)	Q _{EB2} (W)	h _{ER1} (kJ/kg)	h _{ERO} (kJ/kg)	h _{ERD} (kJ/kg)	ΔT _{mE2} (°C)
6	HFC410A	-8.1	-9.5	-15.9	-9.9	432.7	427.8	14.2	71.0	628.3	18260.0	693.5	17570.0	18120.0	688.0	17430.0	243.1	424.2	417.3	7.0
7		-12.9	-14.0	-19.9	-14.3	372.8	368.9	13.8	71.0	598.9	16380.0	571.5	15810.0	13850.0	483.4	13370.0	241.7	422.0	415.7	6.4
21		-7.8	-9.1	-15.5	-9.4	437.3	432.4	14.4	71.0	570.8	19290.0	769.3	18520.0	16970.0	676.5	16290.0	249.1	424.5	417.5	7.0
22		1.6	-0.5	-7.5	-1.0	586.4	579.5	14.1	71.0	618.9	26380.0	1167.0	25210.0	26820.0	1187.0	25630.0	252.4	428.3	420.5	8.1
25		1.3	-0.6	-7.5	-1.3	585.4	579.5	14.2	71.0	699.3	25480.0	1134.0	24340.0	25900.0	1153.0	24750.0	255.4	428.2	420.5	7.9
28		-8.0	-9.3	-15.5	-9.6	437.3	432.4	14.3	71.0	647.6	18940.0	758.1	18190.0	16520.0	661.1	15860.0	252.1	424.4	417.5	6.8
45		-7.9	-9.1	-15.5	-9.4	437.4	432.5	14.2	70.0	572.2	18360.0	757.5	17600.0	15460.0	637.8	14820.0	255.0	424.5	417.5	6.9
47		1.7	-0.3	-7.3	-0.8	592.4	587.5	14.2	70.0	711.8	25490.0	1173.0	24320.0	25630.0	1180.0	24450.0	258.4	428.4	420.6	8.1
49		1.5	-2.0	-9.0	-2.4	556.1	550.2	7.2	70.0	698.1	22960.0	1065.0	21890.0	23300.0	1081.0	22220.0	259.8	427.7	420.0	8.7
54		-8.4	-10.9	-16.8	-11.0	417.8	412.9	7.0	70.0	645.0	16750.0	671.0	16080.0	15420.0	617.6	14800.0	256.2	423.7	417.0	7.1
56		-21.6	-22.7	-27.3	-22.8	273.6	269.7	6.5	70.0	518.7	8283.0	261.6	8021.0	6706.0	211.8	6494.0	252.0	417.6	412.4	5.2
60		-22.0	-23.2	-27.6	-23.2	271.7	267.7	6.5	70.0	513.9	8560.0	256.4	8303.0	7105.0	212.8	6893.0	248.9	417.3	412.3	5.0
62		-13.2	-15.1	-20.9	-15.5	355.2	351.2	6.9	70.0	546.8	13180.0	485.1	12690.0	12030.0	443.0	11590.0	251.5	421.5	415.2	6.8
66		-8.3	-10.9	-17.1	-11.2	411.1	408.2	6.9	70.0	578.7	16480.0	658.6	15820.0	15840.0	633.0	15210.0	253.2	423.7	416.8	7.4
79		-13.0	-15.4	-21.1	-15.6	353.3	349.4	6.5	70.0	583.7	15060.0	527.9	14530.0	14070.0	493.3	13580.0	242.6	421.4	415.2	6.8
84		-21.5	-23.0	-27.8	-23.1	268.8	264.9	6.2	70.0	545.2	9890.0	295.7	9595.0	8618.0	257.6	8360.0	240.4	417.5	412.2	5.6
85		-21.3	-22.6	-27.6	-22.9	270.6	267.7	6.2	70.0	514.3	8857.0	273.0	8584.0	7560.0	233.0	7327.0	246.1	417.6	412.3	5.7
90		-13.0	-15.1	-20.8	-15.4	356.9	354.0	6.5	70.0	536.6	14260.0	513.3	13750.0	12680.0	456.5	12230.0	248.7	421.5	415.3	6.7
91		-7.9	-10.7	-17.1	-11.1	411.8	407.9	6.5	70.0	625.5	16490.0	658.8	15830.0	16710.0	667.7	16050.0	250.2	423.8	416.8	7.7

Evaporator																			6/12	
Run No.	Refrigerant	U_{Exp} (W/m ² ·K)	v_{EB} (m/s)	q (W/m ²)	T_{ERm} (°C)	T_{WIE} (°C)	ΔT_{satE} (°C)	NU_{EB} (-)	Re_{EB} (-)	Pr_{EB} (-)	h_{EB} (W/(m ² ·K))	h_{ER} (W/(m ² ·K))	γ (-)	H (-)	f_{pX} (-)	(ρ_L / ρ_V) (-)	U_{Ecal} (W/m ² ·K)	ΔP_{EB} (m)	λ_{EB} (-)	
6	HFC410A	565.2	0.35	3973.0	-15.9	-10.7	5.2	28.3	120.8	116.8	2336.0	760.2	31.6	0.032	6.0	68.7	577.0	5.4	8.0	
7		473.5	0.34	3038.0	-19.9	-15.0	4.9	24.7	92.2	147.9	2036.0	627.1	27.1	0.029	4.2	80.0	504.6	6.1	9.5	
21		529.4	0.36	3720.0	-15.5	-10.1	5.4	28.9	125.2	114.6	2388.0	692.3	30.1	0.033	5.6	67.7	558.7	5.6	8.1	
22		730.0	0.35	5881.0	-7.5	-1.6	5.9	35.6	196.0	72.5	2939.0	996.3	41.2	0.038	10.5	50.3	719.7	4.6	6.9	
25		717.6	0.35	5681.0	-7.5	-1.8	5.9	35.6	195.9	73.0	2943.0	972.8	40.8	0.038	10.1	50.4	715.2	4.9	7.3	
28		529.1	0.35	3623.0	-15.5	-10.3	5.2	28.6	122.7	115.7	2358.0	694.5	30.4	0.032	5.5	67.7	561.6	5.4	8.0	
45		490.0	0.35	3390.0	-15.5	-9.9	5.4	28.9	126.3	111.6	2399.0	625.7	28.6	0.033	5.1	67.6	537.5	5.1	7.6	
47		697.0	0.35	5621.0	-7.3	-1.3	6.1	36.3	204.2	69.9	3018.0	928.1	39.7	0.039	10.1	49.9	703.7	4.9	7.3	
49		584.9	0.18	5110.0	-9.0	-3.3	5.7	20.6	98.9	72.9	1711.0	909.5	38.4	0.036	8.8	53.1	588.7	1.5	8.5	
54		473.7	0.17	3381.0	-16.8	-12.2	4.6	15.9	58.6	118.0	1322.0	752.8	32.1	0.027	5.0	71.1	491.5	1.9	11.6	
56		283.2	0.16	1471.0	-27.3	-23.8	3.6	10.5	26.9	221.6	921.0	413.2	15.8	0.020	1.8	107.9	283.3	2.8	20.1	
60		309.5	0.16	1558.0	-27.6	-24.3	3.3	10.4	26.1	228.5	907.0	475.5	17.7	0.019	1.9	109.2	304.5	2.8	20.1	
62		387.6	0.17	2639.0	-20.9	-16.4	4.5	14.1	45.6	148.6	1169.0	588.7	26.1	0.026	3.6	83.4	417.7	2.2	13.8	
66		466.5	0.17	3473.0	-17.1	-12.3	4.8	15.9	58.3	117.8	1317.0	736.1	31.0	0.029	5.1	71.8	480.8	1.9	11.8	
79		451.2	0.16	3085.0	-21.1	-17.0	4.1	13.4	43.0	149.3	1116.0	772.6	30.8	0.024	4.2	83.9	453.9	2.1	14.8	
84		338.1	0.15	1890.0	-27.8	-24.4	3.4	10.2	25.7	222.9	888.7	553.5	20.3	0.019	2.2	110.1	329.5	2.7	20.6	
85		291.8	0.15	1658.0	-27.6	-23.8	3.8	10.3	26.2	218.8	897.1	437.5	16.6	0.021	2.0	109.3	290.7	2.7	20.6	
90		412.3	0.16	2781.0	-20.8	-16.6	4.2	13.4	43.0	148.3	1114.0	665.7	28.4	0.025	3.8	83.1	432.1	2.1	14.7	
91		473.6	0.16	3665.0	-17.1	-12.3	4.8	15.2	55.7	116.2	1263.0	773.0	31.7	0.029	5.4	71.9	479.5	1.7	12.2	

Evaporator																			7/12	
Run No.	Refrigerant	T _{EBI} (°C)	T _{EBO} (°C)	T _{ERI} (°C)	T _{ERO} (°C)	P _{ERI} (kPa)	P _{ERO} (kPa)	m _{EB} (kg/h)	y _B (wt%)	m _R (kg/h)	h _{ERI} (kJ/kg)	h _{ERO} (kJ/kg)	h _{ERD} (kJ/kg)	Q _{ER} (W)	Q _{ER1} (W)	Q _{ER2} (W)	Q _{EB} (W)	Q _{EB1} (W)	Q _{EB2} (W)	ΔT _{me2} (°C)
464	HFC404A	2.4	0.3	-6.3	-0.1	458.7	462.7	14.8	68.0	527.6	220.0	367.8	361.3	25620.0	1120.0	24500.0	29120.0	1273.0	27850.0	7.6
473		-12.5	-13.9	-18.3	-14.0	296.8	300.7	14.0	68.0	493.4	215.6	359.2	354.9	13520.0	408.2	13110.0	18030.0	544.4	17480.0	5.1
475		-7.3	-8.8	-14.2	-9.3	345.8	349.7	14.6	68.0	511.4	217.3	362.2	357.1	16660.0	586.7	16070.0	21330.0	751.1	20580.0	6.2
480		-2.5	-4.4	-10.2	-4.8	402.7	406.6	14.9	68.0	530.6	219.3	364.8	359.3	20250.0	764.7	19480.0	25910.0	978.5	24930.0	6.7
483		2.3	0.1	-6.1	-0.4	466.4	470.3	14.8	68.0	532.3	219.4	367.3	361.4	24910.0	1001.0	23900.0	30380.0	1221.0	29150.0	7.3
485		7.2	4.6	-2.4	4.0	529.0	533.9	14.7	68.0	523.8	221.0	370.1	363.3	29690.0	1340.0	28350.0	35870.0	1619.0	34260.0	8.2
487		10.2	7.4	0.1	6.7	578.1	583.0	14.4	68.0	523.7	221.6	371.5	364.6	32990.0	1523.0	31470.0	38400.0	1772.0	36630.0	8.6
490		12.0	9.1	1.9	8.4	613.7	617.6	14.4	68.0	536.5	225.7	372.5	365.4	33630.0	1611.0	32020.0	39750.0	1904.0	37850.0	8.7
495		10.0	7.3	0.2	6.7	576.4	581.4	14.7	68.0	533.0	225.2	371.6	364.6	31340.0	1488.0	29850.0	37290.0	1771.0	35520.0	8.5
497		7.1	4.7	-2.3	4.1	529.4	534.3	14.8	68.0	539.4	224.5	370.1	363.4	27900.0	1287.0	26610.0	34200.0	1578.0	32620.0	8.1
501		2.1	0.1	-6.6	-0.4	463.6	467.5	14.8	68.0	539.7	223.1	367.5	361.2	23710.0	1036.0	22670.0	28830.0	1260.0	27570.0	7.7
504		-2.8	-4.6	-10.5	-4.9	400.9	403.8	14.9	68.0	537.3	223.4	364.7	359.1	18730.0	742.1	17990.0	24370.0	965.5	23400.0	6.7
506		-7.3	-8.8	-14.3	-9.0	348.8	352.7	14.6	68.0	522.6	221.0	362.3	357.1	15540.0	569.9	14970.0	20590.0	755.2	19840.0	6.3
519		11.7	9.0	1.7	8.4	612.9	617.8	14.6	68.0	551.9	229.5	372.4	365.4	31560.0	1544.0	30010.0	37460.0	1833.0	35620.0	8.6
521		9.9	7.4	0.4	6.7	585.4	591.3	14.7	68.0	552.5	229.2	371.4	364.7	29630.0	1391.0	28230.0	35140.0	1650.0	33490.0	8.3
524		7.1	4.8	-2.3	4.2	538.3	542.2	14.7	68.0	558.2	228.4	370.1	363.4	26690.0	1254.0	25430.0	31780.0	1493.0	30280.0	8.2
527		2.5	0.5	-5.9	0.0	468.7	472.6	14.8	68.0	558.3	227.9	367.7	361.5	22260.0	992.5	21260.0	27170.0	1212.0	25960.0	7.4
530		-2.8	-4.4	-10.4	-4.8	402.9	406.8	14.9	68.0	544.6	227.1	364.8	359.2	17550.0	720.9	16830.0	22700.0	932.4	21770.0	6.8
533		-7.5	-8.9	-14.4	-9.3	346.0	349.9	14.6	68.0	526.4	225.0	362.1	357.0	14400.0	540.6	13860.0	18600.0	698.4	17900.0	6.1
539		9.8	7.4	0.1	6.8	584.4	588.3	14.7	68.0	560.2	232.2	371.6	364.6	28560.0	1433.0	27130.0	33460.0	1678.0	31780.0	8.5
541		6.9	4.7	-1.9	4.2	542.2	547.1	14.7	68.0	562.9	232.4	370.0	363.6	25100.0	1172.0	23930.0	30990.0	1446.0	29540.0	7.7
544		2.5	0.6	-5.8	0.1	471.6	475.5	14.8	68.0	565.2	231.9	367.7	361.5	21050.0	958.8	20090.0	26470.0	1206.0	25260.0	7.3
549		-2.5	-4.1	-9.9	-4.4	407.8	411.7	14.8	68.0	546.3	230.1	365.0	359.4	16970.0	706.8	16260.0	22230.0	926.0	21310.0	6.6
552		-7.1	-8.4	-14.0	-8.8	351.8	354.8	14.6	68.0	523.7	227.8	362.4	357.2	13910.0	539.6	13370.0	17940.0	695.9	17240.0	6.2
586		10.7	5.5	-2.3	4.7	539.6	544.5	7.4	70.0	541.5	223.4	370.5	363.4	29050.0	1391.0	27660.0	36710.0	1757.0	34950.0	10.2
589		7.6	2.8	-4.5	2.1	495.6	500.5	7.3	70.0	540.8	223.1	369.0	362.2	25900.0	1207.0	24690.0	33170.0	1545.0	31630.0	9.7
611		12.5	7.7	-0.1	6.8	579.0	583.9	8.6	70.0	547.0	226.0	371.7	364.5	30950.0	1531.0	29420.0	39630.0	1960.0	37670.0	10.1
615		10.7	5.6	-2.0	4.9	544.8	549.7	7.4	70.0	549.2	225.3	370.5	363.5	28560.0	1384.0	27180.0	35990.0	1743.0	34240.0	10.1
639		12.5	7.2	-0.3	6.6	571.1	577.0	7.4	70.0	567.0	230.6	371.6	364.4	28790.0	1486.0	27300.0	36890.0	1904.0	34980.0	10.2
640		10.7	5.9	-2.0	5.2	536.7	542.6	7.5	70.0	577.4	229.7	371.0	363.5	26600.0	1408.0	25200.0	34130.0	1807.0	32320.0	10.3
644		8.1	3.1	-4.1	2.5	500.4	505.3	6.7	70.0	580.4	229.2	369.3	362.4	23930.0	1176.0	22750.0	31400.0	1544.0	29860.0	9.7
648		3.3	-1.3	-8.3	-1.8	431.8	436.7	6.1	70.0	568.5	227.5	366.8	360.3	19620.0	921.1	18700.0	26050.0	1223.0	24830.0	9.2
667		10.4	5.7	-1.6	5.1	545.6	551.5	7.3	70.0	582.8	232.9	370.7	363.7	25720.0	1305.0	24420.0	32210.0	1634.0	30580.0	9.6
671		7.7	3.4	-3.8	2.8	508.4	514.3	7.4	70.0	587.6	232.3	369.4	362.6	23190.0	1151.0	22040.0	29620.0	1470.0	28150.0	9.3
673		2.6	-1.3	-7.9	-1.8	437.8	442.7	6.9	70.0	575.1	230.6	366.7	360.4	19070.0	882.9	18180.0	24880.0	1152.0	23720.0	8.5

Evaporator																			8/12
Run No.	Refrigerant	U_{Exp} (W/m ² ·K)	v_{EB} (m/s)	q (W/m ²)	T_{ERm} (°C)	T_{WIE} (°C)	ΔT_{satE} (°C)	Nu_{EB} (-)	Re_{EB} (-)	Pr_{EB} (-)	h_{EB} (W/(m ² ·K))	h_{ER} (W/(m ² ·K))	γ (-)	H (-)	f_{pX} (-)	(p_L/p_V) (-)	U_{Ecal} (W/m ² ·K)	ΔP_{EB} (m)	λ_{EB} (-)
464	HFC404A	843.5	0.37	6387.0	-6.3	-0.8	5.5	38.9	229.9	64.7	3272.0	1171.0	73.0	0.044	13.3	46.0	845.3		
473		776.6	0.35	3954.0	-18.3	-15.1	3.2	25.9	102.4	133.5	2182.0	1244.0	70.6	0.023	6.5	71.6	763.4		
475		759.0	0.36	4677.0	-14.2	-9.9	4.3	30.6	140.6	102.6	2575.0	1107.0	66.0	0.032	8.3	61.5	759.7		
480		847.4	0.37	5682.0	-10.2	-5.5	4.7	34.8	182.1	81.2	2931.0	1230.0	73.3	0.036	11.0	53.0	835.4		
483		908.9	0.37	6661.0	-6.1	-1.0	5.2	38.8	228.5	65.1	3262.0	1302.0	79.0	0.041	14.0	45.9	893.3		
485		955.7	0.36	7867.0	-2.4	3.5	5.9	41.9	270.6	54.7	3530.0	1356.0	83.0	0.048	17.8	40.1	931.6		
487		976.2	0.36	8421.0	0.1	6.3	6.2	43.7	298.0	49.1	3683.0	1375.0	86.2	0.052	20.2	36.7	958.5		
490		1001.0	0.36	8718.0	1.9	8.1	6.3	45.1	319.3	45.9	3808.0	1406.0	89.7	0.053	21.7	34.6	988.3		
495		964.4	0.36	8178.0	0.2	6.3	6.1	44.1	301.0	49.4	3718.0	1347.0	85.5	0.051	19.5	36.7	955.4		
497		924.0	0.37	7500.0	-2.3	3.6	5.9	42.2	272.8	54.7	3553.0	1290.0	81.0	0.048	17.0	40.0	917.1		
501		824.0	0.37	6323.0	-6.6	-1.0	5.6	38.7	227.6	65.3	3256.0	1136.0	71.5	0.045	13.3	46.6	833.2		
504		800.6	0.37	5344.0	-10.5	-5.6	4.7	34.6	179.6	82.3	2911.0	1137.0	69.9	0.037	10.3	53.5	807.4		
506		721.5	0.36	4516.0	-14.3	-9.8	4.4	30.6	140.5	102.4	2573.0	1029.0	63.1	0.033	8.1	61.6	736.2		
519		954.2	0.36	8214.0	1.7	8.1	6.3	45.4	320.8	46.3	3833.0	1314.0	86.4	0.054	20.4	34.7	964.4		
521		932.9	0.37	7707.0	0.4	6.4	6.1	44.2	301.7	49.4	3726.0	1286.0	84.5	0.051	18.6	36.4	947.2		
524		853.9	0.37	6969.0	-2.3	3.9	6.1	42.0	272.1	54.6	3543.0	1159.0	76.5	0.050	16.0	39.9	879.1		
527		802.4	0.37	5958.0	-5.9	-0.4	5.5	39.0	230.9	64.4	3279.0	1092.0	71.2	0.044	12.6	45.6	830.2		
530		733.4	0.37	4979.0	-10.4	-5.3	5.0	34.7	181.0	81.7	2922.0	1004.0	64.8	0.038	9.7	53.4	765.8		
533		664.7	0.36	4080.0	-14.4	-9.9	4.5	30.4	138.8	103.9	2560.0	919.2	59.2	0.033	7.3	62.0	703.7		
539		863.2	0.37	7337.0	0.1	6.5	6.4	44.1	301.4	49.4	3724.0	1157.0	78.7	0.054	17.7	36.8	899.8		
541		878.7	0.36	6795.0	-1.9	3.8	5.7	41.9	270.2	54.8	3528.0	1207.0	80.1	0.047	15.6	39.5	906.5		
544		790.7	0.37	5805.0	-5.8	-0.4	5.5	39.0	231.1	64.4	3280.0	1071.0	70.8	0.044	12.3	45.4	826.9		
549		740.6	0.37	4876.0	-9.9	-5.0	4.8	34.9	182.9	80.7	2934.0	1017.0	66.4	0.037	9.5	52.5	778.6		
552		638.2	0.36	3934.0	-14.0	-9.3	4.6	30.8	142.1	101.5	2589.0	865.9	57.6	0.034	7.1	61.0	690.7		
586		791.9	0.18	8051.0	-2.3	4.1	6.2	24.6	140.6	53.1	2048.0	1336.0	80.5	0.051	18.5	39.8	767.5		
589		751.7	0.18	7274.0	-4.5	1.4	5.9	23.2	125.1	59.2	1932.0	1271.0	76.4	0.048	15.9	43.3	732.9		
611		856.9	0.21	8691.0	-0.1	6.4	6.5	29.0	178.4	49.3	2418.0	1374.0	84.1	0.054	20.9	37.1	831.2		
615		782.6	0.18	7892.0	-2.0	4.2	6.3	24.8	142.4	53.0	2068.0	1301.0	79.8	0.052	18.3	39.6	765.7		
639		796.0	0.18	8089.0	-0.3	6.0	6.3	25.4	150.8	49.7	2119.0	1318.0	82.2	0.053	19.2	37.4	782.6		
640		726.6	0.19	7485.0	-2.0	4.7	6.7	25.1	144.6	52.7	2090.0	1147.0	73.1	0.055	17.2	39.7	728.2		
644		712.1	0.17	6886.0	-4.1	1.7	5.9	21.7	116.0	58.3	1810.0	1211.0	75.0	0.048	15.1	42.7	706.3		
648		620.1	0.15	5713.0	-8.3	-2.8	5.5	18.6	88.9	69.2	1547.0	1064.0	66.2	0.043	11.5	49.5	624.6		
667		737.9	0.18	7064.0	-1.6	4.5	6.1	24.5	139.6	53.2	2038.0	1192.0	77.4	0.050	16.3	39.0	746.7		
671		697.5	0.18	6496.0	-3.8	2.1	6.0	23.4	127.3	58.5	1952.0	1117.0	72.5	0.048	14.4	42.3	711.5		
673		638.6	0.17	5455.0	-7.9	-2.6	5.3	20.4	98.9	70.2	1692.0	1053.0	67.4	0.042	11.1	49.0	653.9		

Evaporator		9/12																		
Run No.	Refrigerant	T _{EBI} (°C)	T _{EBO} (°C)	T _{ERI} (°C)	T _{ERO} (°C)	P _{ERI} (kPa)	P _{ERO} (kPa)	m _{EB} (kg/h)	y _B (wt%)	m _R (kg/h)	h _{ERI} (kJ/kg)	h _{ERO} (kJ/kg)	h _{ERD} (kJ/kg)	Q _{ER} (W)	Q _{ER1} (W)	Q _{ER2} (W)	Q _{EB} (W)	Q _{EB1} (W)	Q _{EB2} (W)	ΔT _{mE2} (°C)
263	HCFC22	2.0	0.2	-5.1	-0.3	387.9	391.8	12.9	70.0	471.8	226.6	407.2	403.1	20920.0	472.2	20450.0	22240.0	502.1	21740.0	6.2
265		-2.8	-4.3	-9.0	-4.8	337.9	339.9	12.8	69.0	482.9	221.6	405.2	401.6	18050.0	355.3	17690.0	18990.0	373.9	18620.0	5.6
270		-7.4	-8.8	-13.1	-9.3	290.8	292.8	12.5	69.0	449.9	216.8	403.2	400.0	15690.0	269.8	15420.0	16370.0	281.5	16090.0	4.9
272		-3.0	-4.8	-9.5	-5.1	327.1	330.1	12.8	70.0	452.9	218.8	405.1	401.4	18320.0	370.5	17950.0	20440.0	413.5	20030.0	5.7
274		2.3	0.3	-5.3	-0.3	386.0	388.9	12.9	70.0	484.9	223.3	407.3	403.1	21770.0	500.5	21270.0	23990.0	551.5	23440.0	6.5
277		6.9	4.7	-1.3	4.1	444.8	447.7	12.8	70.0	478.7	228.1	409.1	404.6	25200.0	632.3	24570.0	27050.0	678.8	26370.0	7.0
282		-0.6	-2.6	-7.6	-3.0	351.4	354.3	12.8	69.0	465.9	219.3	406.0	402.1	20380.0	425.9	19960.0	22960.0	479.7	22480.0	6.0
283		2.1	0.0	-5.3	-0.5	385.5	388.4	12.8	69.0	476.9	220.1	407.1	403.0	22750.0	490.7	22250.0	25350.0	547.0	24810.0	6.3
288		5.0	2.7	-2.9	2.1	420.0	422.9	12.8	69.0	480.9	220.1	408.2	403.9	25710.0	578.1	25130.0	27930.0	628.1	27300.0	6.7
289		7.0	4.6	-1.6	3.9	441.4	445.3	12.7	69.0	475.2	220.6	409.0	404.5	27320.0	654.7	26660.0	29400.0	704.7	28700.0	7.3
292		6.9	4.6	-1.3	3.9	444.3	447.2	12.7	69.0	488.1	223.7	409.0	404.5	26090.0	621.8	25470.0	28370.0	676.0	27700.0	7.0
297		10.9	8.2	1.8	7.4	496.2	499.2	12.6	69.0	499.8	224.6	410.4	405.7	30050.0	770.1	29280.0	32810.0	840.9	31970.0	7.7
298		11.8	9.0	2.6	8.2	507.9	511.8	12.5	69.0	501.1	225.1	410.8	406.0	30950.0	800.7	30150.0	33270.0	860.8	32410.0	7.8
303		11.6	8.8	2.4	8.0	504.9	508.8	12.5	69.0	498.7	224.7	410.7	405.9	30840.0	792.2	30050.0	33740.0	866.6	32870.0	7.7
305		1.9	-0.1	-5.6	-0.6	383.0	386.0	12.9	69.0	481.2	223.3	407.0	402.9	21590.0	485.3	21110.0	24030.0	540.0	23490.0	6.5
309		4.9	2.6	-3.1	2.1	419.3	422.3	12.9	69.0	477.1	224.1	408.2	403.9	24240.0	566.4	23670.0	27220.0	636.1	26590.0	6.8
312		-7.5	-9.0	-13.1	-9.3	289.9	291.8	12.5	69.0	457.4	219.9	403.2	400.0	14820.0	260.8	14550.0	17060.0	300.4	16760.0	4.7
313		-7.4	-8.8	-13.0	-9.0	289.8	291.8	12.6	69.0	437.9	223.0	403.3	400.0	13680.0	251.4	13430.0	16060.0	295.2	15770.0	4.8
318		-2.5	-4.1	-9.1	-4.6	336.9	338.9	12.8	69.0	442.9	224.7	405.3	401.5	17160.0	356.0	16800.0	19480.0	404.1	19070.0	5.8
319		9.7	7.2	1.0	6.5	481.1	484.0	12.5	69.0	477.8	228.6	410.1	405.4	27520.0	707.7	26810.0	30660.0	788.6	29870.0	7.4
323		-7.8	-9.1	-13.1	-9.3	290.8	291.8	12.5	69.0	449.0	227.8	403.2	400.0	12570.0	229.9	12340.0	14850.0	271.6	14580.0	4.5
325		-2.8	-4.3	-9.1	-4.6	337.7	338.7	12.8	69.0	451.5	229.6	405.3	401.5	15670.0	332.3	15330.0	17860.0	378.8	17480.0	5.5
330		2.3	0.5	-5.0	0.0	389.8	392.7	12.7	69.0	461.4	231.4	407.3	403.1	19200.0	455.2	18750.0	21660.0	513.4	21140.0	6.4
331		6.7	4.5	-1.4	3.9	444.8	446.7	12.6	69.0	475.9	233.0	409.0	404.5	22870.0	585.7	22290.0	25600.0	655.4	24940.0	7.0
335		9.8	7.3	1.2	6.7	485.9	488.9	12.3	69.0	483.6	234.1	410.1	405.5	25680.0	680.7	25000.0	28600.0	758.3	27850.0	7.3
338		10.0	7.1	0.8	6.4	481.4	484.4	12.6	69.0	486.4	221.4	410.0	405.3	30170.0	746.0	29430.0	33960.0	839.5	33120.0	7.7
341		9.8	7.1	0.8	6.4	481.5	484.5	12.6	69.0	498.4	224.2	410.0	405.3	28950.0	727.5	28220.0	32510.0	817.1	31690.0	7.6
343		-12.2	-13.5	-16.9	-13.6	249.1	251.1	12.3	69.0	453.5	218.2	401.2	398.4	11740.0	179.6	11560.0	14630.0	223.9	14410.0	4.0
353		-12.4	-13.5	-16.6	-13.5	255.0	255.9	12.4	69.0	465.3	226.5	401.1	398.5	10040.0	151.7	9888.0	12550.0	189.6	12360.0	3.6
366		9.8	7.1	0.7	6.4	481.8	484.8	13.1	68.0	484.3	221.2	410.0	405.3	30200.0	744.3	29460.0	34270.0	844.4	33430.0	7.7
369		7.1	4.6	-1.4	4.0	444.5	447.5	13.4	68.0	474.8	220.4	409.0	404.5	27500.0	656.8	26840.0	31710.0	757.4	30960.0	7.2
372		5.3	3.0	-2.9	2.4	423.0	425.9	13.6	68.0	471.0	220.1	408.4	403.9	25730.0	605.2	25130.0	29150.0	685.5	28460.0	7.1
375		1.9	-0.3	-5.5	-0.6	386.8	388.7	14.0	68.0	467.2	220.3	407.0	403.0	22720.0	488.7	22230.0	26490.0	569.8	25920.0	6.3
380		-0.8	-2.5	-7.5	-3.0	357.3	359.2	14.0	68.0	456.4	219.1	405.9	402.2	20550.0	417.2	20130.0	24020.0	487.7	23540.0	5.9
381		-2.8	-4.5	-9.4	-4.9	334.7	337.6	14.0	68.0	451.7	218.5	405.1	401.4	18970.0	373.3	18600.0	22170.0	436.3	21740.0	5.7
384		-7.8	-9.3	-13.3	-9.5	288.6	290.5	13.9	68.0	441.2	217.0	403.0	399.9	15040.0	252.1	14790.0	18500.0	310.1	18190.0	4.7
398		-12.1	-13.3	-16.9	-13.5	253.3	253.3	13.6	68.0	438.4	218.1	401.3	398.4	11760.0	183.1	11570.0	15060.0	234.5	14820.0	4.2
399		-7.5	-8.9	-13.2	-9.1	288.6	290.6	13.9	68.0	447.7	220.0	403.3	399.9	14970.0	274.2	14700.0	18000.0	329.6	17670.0	4.9
403		11.8	8.9	2.4	8.2	509.5	512.5	12.8	68.0	499.6	224.8	410.8	405.9	30840.0	801.7	30040.0	34960.0	909.0	34060.0	7.9
407		9.6	7.0	0.8	6.3	479.2	482.1	13.0	68.0	495.5	224.3	410.0	405.3	28780.0	725.5	28050.0	32750.0	825.8	31930.0	7.5
410		6.9	4.5	-1.4	3.9	442.9	445.8	13.1	68.0	478.9	223.5	409.0	404.5	26130.0	631.1	25500.0	29690.0	717.1	28970.0	7.1
412		4.8	2.6	-3.1	2.1	418.3	421.2	13.4	68.0	487.2	224.2	408.2	403.9	24380.0	575.1	23810.0	27570.0	650.4	26920.0	6.7
416		1.9	0.0	-5.3	-0.4	384.0	387.0	13.9	68.0	483.7	223.4	407.1	403.0	22050.0	496.0	21550.0	25310.0	569.5	24740.0	6.3
417		-2.8	-4.4	-9.3	-4.8	336.0	337.9	14.1	68.0	469.3	221.8	405.2	401.5	18190.0	370.8	17820.0	21100.0	430.1	20670.0	5.7
421		-2.4	-4.0	-9.0	-4.4	336.0	337.9	14.1	68.0	475.1	224.9	405.5	401.6	17310.0	370.9	16940.0	20510.0	439.5	20070.0	5.8
424		-7.3	-8.6	-12.8	-8.8	290.8	292.7	13.9	68.0	467.7	223.1	403.4	400.1	14420.0	269.1	14150.0	17100.0	319.0	16780.0	4.8

Evaporator																			10/12
Run No.	Refrigerant	U_{Exp} (W/m ² ·K)	V_{EB} (m/s)	q (W/m ²)	T_{ERm} (°C)	T_{WIE} (°C)	ΔT_{satE} (°C)	Nu_{EB} (-)	Re_{EB} (-)	Pr_{EB} (-)	h_{EB} (W/(m ² ·K))	h_{ER} (W/(m ² ·K))	γ (-)	H (-)	f_{pX} (-)	(ρ_L / ρ_V) (-)	U_{Ecal} (W/m ² ·K)	ΔP_{EB} (m)	λ_{EB} (-)
263	HCFC22	787.1	0.32	4878.0	-5.1	-0.8	4.4	33.9	188.2	69.1	2815.0	1124.0	61.0	0.024	7.3	72.2	816.5		
265		749.9	0.32	4165.0	-9.0	-5.3	3.9	30.5	152.4	83.8	2551.0	1092.0	58.1	0.021	5.8	83.0	776.5		
270		736.6	0.31	3591.0	-13.1	-9.8	3.2	26.7	116.9	106.2	2233.0	1131.0	57.8	0.017	4.6	95.8	750.6		
272		792.7	0.32	4483.0	-9.5	-5.8	3.8	29.9	145.4	87.9	2481.0	1201.0	60.4	0.020	6.1	84.5	790.8		
274		810.7	0.32	5261.0	-5.3	-0.8	4.5	33.9	189.1	68.5	2819.0	1172.0	61.4	0.025	7.8	72.4	821.0		
277		848.6	0.32	5933.0	-1.3	3.7	5.0	36.7	223.9	57.9	3055.0	1212.0	65.6	0.028	9.5	63.1	867.8		
282		842.5	0.32	5035.0	-7.6	-3.6	4.0	32.1	168.9	76.0	2682.0	1268.0	63.2	0.022	7.1	78.9	830.5		
283		883.0	0.32	5560.0	-5.3	-1.0	4.3	34.1	192.0	67.2	2851.0	1323.0	66.5	0.024	8.2	72.5	869.3		
288		910.3	0.32	6124.0	-2.9	1.7	4.6	35.8	213.1	60.6	2997.0	1353.0	68.7	0.026	9.5	66.8	896.1		
289		882.8	0.32	6448.0	-1.6	3.6	5.1	36.9	228.0	56.4	3092.0	1276.0	66.2	0.029	10.3	63.8	877.7		
292		883.1	0.31	6222.0	-1.3	3.6	4.9	36.8	227.3	56.4	3085.0	1278.0	67.3	0.028	9.9	63.3	886.6		
297		932.7	0.31	7195.0	1.8	7.2	5.4	39.3	261.3	49.0	3295.0	1346.0	71.1	0.031	12.2	56.9	928.9		
298		934.4	0.31	7296.0	2.6	8.1	5.5	39.7	268.7	47.4	3334.0	1343.0	71.7	0.032	12.5	55.4	934.2		
303		959.0	0.31	7398.0	2.4	7.8	5.4	39.6	266.5	47.8	3320.0	1397.0	73.4	0.031	12.6	55.7	949.3		
305		811.4	0.32	5269.0	-5.6	-1.1	4.6	34.1	191.7	67.7	2854.0	1168.0	60.9	0.025	7.8	73.5	819.8		
309		875.7	0.32	5970.0	-3.1	1.6	4.7	35.9	213.3	60.9	3003.0	1277.0	66.0	0.026	9.3	67.3	872.8		
312		789.3	0.31	3742.0	-13.1	-10.1	3.0	26.6	115.8	107.2	2222.0	1264.0	62.3	0.016	4.8	96.0	786.1		
313		735.2	0.31	3522.0	-13.0	-9.8	3.2	26.7	116.9	106.4	2235.0	1128.0	58.0	0.017	4.5	95.6	752.1		
318		738.2	0.32	4271.0	-9.1	-5.1	4.0	30.6	153.6	83.2	2560.0	1066.0	56.4	0.022	5.9	83.3	762.0		
319		906.5	0.31	6724.0	1.0	6.2	5.2	38.3	249.1	51.1	3213.0	1305.0	69.8	0.030	11.2	58.5	912.4		
323		728.3	0.31	3257.0	-13.1	-10.1	2.9	26.4	114.4	108.4	2210.0	1118.0	59.1	0.016	4.2	95.8	758.6		
325		709.1	0.32	3917.0	-9.1	-5.3	3.9	30.4	151.4	84.0	2541.0	1009.0	55.6	0.021	5.4	83.1	752.4		
330		745.0	0.32	4750.0	-5.0	-0.4	4.6	34.0	192.2	66.5	2845.0	1036.0	57.7	0.026	7.1	72.0	787.7		
331		799.6	0.31	5613.0	-1.4	3.7	5.1	36.4	223.8	56.8	3052.0	1115.0	62.3	0.029	9.0	63.5	837.6		
335		859.0	0.30	6273.0	1.2	6.4	5.2	37.7	244.7	50.9	3163.0	1216.0	67.7	0.030	10.5	58.0	889.2		
338		972.5	0.31	7447.0	0.8	6.1	5.2	38.6	251.4	50.9	3233.0	1443.0	73.1	0.030	12.4	58.8	944.4		
341		935.3	0.31	7130.0	0.8	6.1	5.3	38.5	250.5	51.1	3227.0	1363.0	70.8	0.030	11.9	58.9	923.7		
343		798.0	0.31	3209.0	-16.9	-14.6	2.3	23.4	89.6	135.3	1957.0	1396.0	65.5	0.012	3.8	110.6	779.9		
353		755.6	0.31	2752.0	-16.6	-14.4	2.2	23.5	89.6	136.0	1961.0	1270.0	64.5	0.011	3.3	109.4	772.8		
366		978.3	0.33	7515.0	0.7	6.1	5.4	40.2	267.8	49.7	3393.0	1425.0	72.2	0.031	12.6	58.9	949.8		
369		960.3	0.33	6955.0	-1.4	3.6	5.0	39.1	247.8	54.7	3291.0	1405.0	70.2	0.028	11.1	63.5	929.3		
372		901.6	0.34	6391.0	-2.9	2.1	5.0	38.2	234.8	58.3	3217.0	1294.0	65.6	0.028	10.0	66.9	885.8		
375		922.6	0.35	5809.0	-5.5	-1.3	4.3	36.7	212.3	66.0	3089.0	1362.0	67.2	0.024	8.6	73.1	897.2		
380		890.9	0.35	5269.0	-7.5	-3.5	4.0	34.8	189.6	73.9	2933.0	1323.0	64.9	0.022	7.5	78.7	869.0		
381		846.8	0.35	4862.0	-9.4	-5.5	3.9	33.0	169.7	82.1	2780.0	1257.0	61.6	0.021	6.7	84.1	830.4		
384		868.6	0.35	4058.0	-13.3	-10.3	2.9	29.1	130.4	105.4	2446.0	1395.0	65.7	0.016	5.2	96.5	840.7		
398		789.6	0.34	3302.0	-16.9	-14.3	2.6	25.7	102.4	130.1	2163.0	1285.0	61.1	0.013	4.0	110.4	777.0		
399		804.4	0.35	3946.0	-13.2	-9.8	3.2	29.3	132.6	103.7	2466.0	1232.0	60.0	0.017	5.1	96.2	794.3		
403		976.2	0.32	7668.0	2.4	7.9	5.5	40.7	279.4	46.3	3432.0	1414.0	73.5	0.032	13.2	55.7	959.3		
407		959.0	0.32	7183.0	0.8	6.0	5.2	39.7	263.1	50.0	3352.0	1392.0	71.8	0.030	11.9	58.9	942.2		
410		922.2	0.32	6511.0	-1.4	3.5	4.9	38.0	239.1	55.1	3205.0	1340.0	68.8	0.028	10.4	63.5	910.4		
412		897.8	0.33	6047.0	-3.1	1.7	4.7	37.5	227.4	59.3	3153.0	1297.0	66.6	0.026	9.3	67.2	890.3		
416		882.5	0.34	5551.0	-5.3	-0.9	4.4	36.7	212.3	65.7	3084.0	1277.0	64.6	0.024	8.2	72.8	872.7		
417		817.4	0.35	4627.0	-9.3	-5.3	3.9	33.2	171.3	81.8	2796.0	1191.0	60.1	0.021	6.4	83.6	817.1		
421		779.7	0.35	4498.0	-9.0	-4.9	4.1	33.6	175.1	80.2	2829.0	1107.0	57.3	0.022	6.2	82.8	792.3		
424		788.8	0.35	3749.0	-12.8	-9.6	3.2	29.4	134.0	102.6	2479.0	1193.0	59.7	0.017	4.8	95.0	792.5		

Evaporator																			11/12	
Run No.	Refrigerant	T _{EBI} (°C)	T _{EBO} (°C)	T _{ERI} (°C)	T _{ERO} (°C)	P _{ERI} (kPa)	P _{ERO} (kPa)	m _{EB} (kg/h)	y _B (wt%)	m _R (kg/h)	h _{ERI} (kJ/kg)	h _{ERO} (kJ/kg)	h _{ERD} (kJ/kg)	Q _{ER} (W)	Q _{ER1} (W)	Q _{ER2} (W)	Q _{EB} (W)	Q _{EB1} (W)	Q _{EB2} (W)	ΔT _{me2} (°C)
427	HCFC22	-12.2	-13.3	-16.7	-13.4	252.5	253.5	13.5	68.0	465.2	221.4	401.3	398.5	11100.0	173.9	10920.0	13840.0	217.0	13630.0	3.9
432		11.4	8.7	2.4	8.0	503.8	506.7	12.6	68.0	513.1	227.9	410.7	405.9	29250.0	770.0	28480.0	32710.0	861.0	31850.0	7.6
436		9.7	7.1	0.9	6.5	482.2	485.1	12.8	68.0	508.4	227.7	410.1	405.4	27510.0	708.1	26810.0	31280.0	805.0	30470.0	7.5
439		7.1	4.9	-1.1	4.3	447.9	450.8	13.4	68.0	501.3	228.1	409.1	404.6	25200.0	629.9	24570.0	28560.0	714.2	27850.0	7.1
443		2.3	0.4	-5.0	0.0	389.0	391.9	13.9	68.0	490.1	226.8	407.3	403.1	20920.0	483.7	20430.0	24460.0	565.7	23890.0	6.3
445		2.1	0.4	-4.9	0.0	393.8	396.8	13.9	68.0	462.5	231.7	407.2	403.2	19310.0	447.2	18860.0	22750.0	526.7	22220.0	6.1
449		-2.4	-3.9	-8.8	-4.3	342.8	344.8	14.1	68.0	449.5	229.8	405.4	401.7	15950.0	335.3	15620.0	19000.0	399.3	18600.0	5.5
451		-7.3	-8.6	-12.5	-8.8	296.7	297.7	13.9	68.0	444.2	228.0	403.4	400.2	13010.0	237.7	12770.0	16020.0	292.9	15730.0	4.5
459		6.9	4.8	-1.0	4.3	449.8	452.7	13.2	68.0	475.8	233.3	409.1	404.7	23150.0	586.5	22570.0	27360.0	692.9	26660.0	6.8
463		9.8	7.3	1.3	6.8	487.0	489.9	12.6	68.0	530.8	234.2	410.2	405.5	25960.0	687.4	25280.0	29640.0	784.8	28850.0	7.2

Evaporator																			12/12	
Run No.	Refrigerant	U_{Exp} (W/m ² ·K)	v_{EB} (m/s)	q (W/m ²)	T_{ERm} (°C)	T_{WIE} (°C)	ΔT_{satE} (°C)	Nu_{EB} (-)	Re_{EB} (-)	Pr_{EB} (-)	h_{EB} (W/(m ² ·K))	h_{ER} (W/(m ² ·K))	Y (-)	H (-)	f_{pX} (-)	(ρ_L / ρ_v) (-)	U_{Ecal} (W/m ² ·K)	ΔP_{EB} (m)	λ_{EB} (-)	
427	HCFC22	768.8	0.34	3036.0	-16.7	-14.2	2.5	25.5	101.5	130.5	2150.0	1235.0	60.9	0.013	3.7	109.7	772.9			
432		942.6	0.31	7173.0	2.4	7.8	5.4	40.2	273.9	46.8	3390.0	1351.0	72.1	0.031	12.2	55.7	943.3			
436		919.5	0.32	6859.0	0.9	6.2	5.3	39.4	261.0	49.8	3327.0	1314.0	69.7	0.030	11.4	58.6	921.3			
439		887.0	0.33	6264.0	-1.1	4.0	5.1	39.0	248.2	54.5	3290.0	1254.0	66.5	0.029	10.0	62.8	894.3			
443		845.0	0.35	5364.0	-5.0	-0.5	4.5	37.0	215.9	64.7	3111.0	1196.0	62.4	0.025	8.0	71.9	852.6			
445		811.6	0.35	4988.0	-4.9	-0.4	4.5	36.9	215.1	64.9	3106.0	1131.0	61.3	0.025	7.5	71.6	841.9			
449		758.3	0.35	4167.0	-8.8	-4.8	3.9	33.5	174.9	80.1	2824.0	1065.0	57.4	0.021	5.8	81.9	792.7			
451		789.0	0.34	3514.0	-12.5	-9.5	3.0	29.4	133.7	102.6	2474.0	1194.0	61.6	0.016	4.6	93.9	808.0			
459		876.0	0.33	5999.0	-1.0	3.9	4.9	38.6	244.3	54.7	3253.0	1237.0	66.9	0.028	9.6	62.6	894.6			
463		901.9	0.31	6500.0	1.3	6.5	5.1	39.0	257.9	49.5	3289.0	1284.0	70.1	0.029	10.9	57.8	920.3			

(プレート式凝縮器)

Condenser																			1/12	
Run No.	Refrigerant	T _{Cl} (°C)	T _{Co} (°C)	T _{CR1} (°C)	T _{CR0} (°C)	P _{CR1} (kPa)	m _{CC} (kg/h)	m _R (kg/h)	h _{CR1} (kJ/kg)	h _{CR0} (kJ/kg)	h _{CRD} (kJ/kg)	Q _{CR} (W)	Q _{CR1} (W)	Q _{CR2} (W)	Q _{CC} (W)	Q _{CC1} (W)	Q _{CC2} (W)	U _{exp} (W/m ² ・K)	v _{CC} (m/s)	Nu _{CC} (-)
735	HFC410A	22.3	25.6	63.2	28.1	1742.0	10130.0	579.0	471.8	246.9	428.4	36180.0	6984.0	29200.0	38470.0	7426.0	31040.0	1584.0	0.21	30.0
737		22.8	25.6	64.5	27.7	1717.0	10170.0	486.0	473.6	246.1	428.4	30710.0	6102.0	24610.0	33300.0	6617.0	26690.0	1627.0	0.21	30.2
739		21.3	23.4	64.8	25.2	1595.0	11670.0	396.0	475.7	242.0	428.2	25700.0	5225.0	20470.0	28600.0	5815.0	22790.0	1685.0	0.24	33.1
744		21.5	23.0	67.0	24.5	1570.0	13660.0	324.0	478.4	240.9	428.1	21380.0	4525.0	16850.0	24110.0	5103.0	19010.0	1787.0	0.28	37.5
745		21.5	22.7	69.5	23.8	1533.0	13550.0	234.0	481.4	239.7	428.0	15710.0	3473.0	12240.0	17940.0	3964.0	13970.0	1745.0	0.28	37.2
750		21.5	22.6	71.2	23.6	1521.0	13510.0	186.0	483.4	239.3	428.0	12610.0	2862.0	9750.0	16630.0	3774.0	12860.0	1783.0	0.28	37.1
754		25.3	26.7	72.1	28.1	1729.0	13570.0	297.0	481.6	246.9	428.4	19360.0	4388.0	14970.0	22200.0	5032.0	17170.0	1746.0	0.28	38.6
759		25.4	27.2	71.0	29.0	1778.0	13650.0	381.0	479.8	248.3	428.4	24500.0	5433.0	19060.0	27080.0	6007.0	21080.0	1719.0	0.28	38.9
762		25.6	28.0	66.2	30.8	1865.0	13230.0	573.0	473.3	251.5	428.5	35300.0	7135.0	28170.0	38100.0	7700.0	30400.0	1619.0	0.27	38.1
763		27.8	31.3	69.7	34.2	2036.0	10200.0	660.0	474.7	257.4	428.4	39840.0	8484.0	31360.0	41770.0	8895.0	32880.0	1532.0	0.21	31.7
767		25.3	27.4	67.1	29.7	1817.0	13750.0	477.0	475.0	249.6	428.5	29860.0	6164.0	23700.0	32730.0	6755.0	25970.0	1673.0	0.29	39.2
773		25.4	27.4	68.0	29.8	1817.0	13680.0	471.0	476.0	249.7	428.5	29610.0	6216.0	23390.0	32090.0	6737.0	25350.0	1646.0	0.28	39.1
776		29.3	31.2	72.3	33.4	2000.0	13670.0	456.0	478.1	255.9	428.5	28140.0	6288.0	21850.0	30930.0	6912.0	24020.0	1675.0	0.28	40.3
782		29.3	31.9	70.9	35.2	2098.0	13780.0	657.0	475.2	259.1	428.4	39430.0	8540.0	30890.0	42530.0	9212.0	33320.0	1595.0	0.29	40.7
785		27.1	29.1	68.8	31.2	1891.0	13710.0	444.0	475.8	252.2	428.5	27570.0	5833.0	21740.0	31820.0	6732.0	25090.0	1741.0	0.28	39.7
802		27.2	29.0	68.5	31.0	1879.0	13680.0	444.0	475.6	251.9	428.5	27600.0	5814.0	21780.0	28100.0	5920.0	22180.0	1616.0	0.28	39.6
804		29.4	31.4	70.4	33.9	2026.0	13700.0	543.0	475.6	257.0	428.5	32980.0	7115.0	25860.0	32110.0	6928.0	25180.0	1538.0	0.28	40.4
809		29.3	30.8	73.6	32.3	1940.0	13630.0	354.0	480.3	254.2	428.5	22240.0	5097.0	17140.0	23090.0	5293.0	17800.0	1689.0	0.28	40.2
816		27.5	29.7	68.8	32.2	1940.0	13680.0	546.0	475.0	254.0	428.5	33520.0	7058.0	26460.0	33650.0	7084.0	26560.0	1574.0	0.28	39.8
821		27.4	30.6	68.9	32.5	1952.0	8556.0	519.0	475.0	254.5	428.5	31790.0	6705.0	25080.0	31770.0	6702.0	25070.0	1518.0	0.18	27.4
824		27.4	30.1	70.4	31.6	1903.0	8626.0	426.0	477.4	252.9	428.5	26560.0	5781.0	20780.0	26130.0	5687.0	20440.0	1526.0	0.18	27.5
826		27.4	29.6	71.4	30.8	1867.0	8597.0	342.0	478.9	251.4	428.5	21610.0	4792.0	16820.0	21650.0	4800.0	16850.0	1584.0	0.18	27.4
829		27.4	29.2	75.2	30.0	1829.0	8517.0	273.0	483.6	250.1	428.5	17700.0	4177.0	13520.0	17500.0	4129.0	13370.0	1640.0	0.18	27.2
832		27.6	28.7	83.2	29.2	1793.0	8558.0	186.0	492.6	248.8	428.5	12600.0	3313.0	9282.0	11620.0	3056.0	8564.0	1674.0	0.18	27.2
839		29.3	30.4	87.2	30.7	1866.0	8474.0	165.0	496.0	251.3	428.5	11210.0	3093.0	8119.0	10130.0	2794.0	7335.0	1762.0	0.18	27.4
842		29.3	30.5	86.9	30.9	1866.0	8324.0	186.0	495.6	251.7	428.5	12600.0	3468.0	9134.0	11400.0	3137.0	8262.0	1706.0	0.17	27.0
844		29.3	31.0	87.6	31.8	1916.0	8363.0	261.0	495.8	253.1	428.5	17590.0	4881.0	12710.0	16690.0	4631.0	12060.0	1656.0	0.17	27.2
847		29.1	31.4	84.0	32.5	1940.0	8294.0	333.0	491.7	254.4	428.5	21950.0	5844.0	16110.0	21560.0	5740.0	15820.0	1566.0	0.17	27.0
851		27.5	30.4	69.9	31.7	1915.0	7769.0	417.0	476.7	253.1	428.5	25900.0	5582.0	20320.0	26150.0	5635.0	20510.0	1564.0	0.16	25.4
852		29.3	32.1	72.8	33.4	2001.0	7695.0	405.0	478.6	256.1	428.5	25040.0	5643.0	19400.0	24910.0	5615.0	19300.0	1538.0	0.16	25.6
856		29.3	32.7	71.2	34.4	2050.0	7724.0	498.0	476.1	257.8	428.4	30200.0	6595.0	23610.0	30120.0	6575.0	23540.0	1492.0	0.16	25.7
858		29.3	31.6	74.9	32.5	1951.0	7696.0	327.0	481.7	254.5	428.5	20640.0	4832.0	15800.0	20630.0	4830.0	15800.0	1595.0	0.16	25.5
863		25.8	28.2	71.0	29.3	1792.0	7584.0	348.0	479.6	248.9	428.5	22300.0	4943.0	17360.0	21480.0	4760.0	16720.0	1557.0	0.16	24.5
864		25.3	27.3	72.2	28.0	1731.0	7625.0	276.0	481.7	246.7	428.4	18010.0	4083.0	13930.0	17700.0	4013.0	13690.0	1650.0	0.16	24.4
867		25.6	27.0	74.6	27.4	1694.0	7555.0	192.0	484.7	245.7	428.3	12750.0	3004.0	9742.0	12190.0	2873.0	9317.0	1731.0	0.16	24.2
872		25.5	26.8	74.7	27.1	1681.0	7516.0	174.0	485.0	245.2	428.3	11590.0	2740.0	8849.0	11170.0	2640.0	8526.0	1820.0	0.16	24.1
873		21.7	23.1	72.0	23.5	1523.0	7592.0	186.0	484.2	239.2	428.0	12660.0	2905.0	9755.0	12250.0	2812.0	9443.0	1779.0	0.16	23.5
878		21.0	22.6	70.9	23.3	1498.0	7563.0	201.0	483.4	238.7	427.9	13660.0	3100.0	10560.0	13970.0	3169.0	10800.0	1587.0	0.16	23.3
880		21.8	23.9	69.7	24.8	1572.0	7592.0	288.0	481.2	241.2	428.1	19200.0	4246.0	14950.0	18690.0	4134.0	14550.0	1641.0	0.16	23.6
883		21.8	24.4	67.5	25.5	1608.0	7591.0	357.0	478.4	242.5	428.2	23390.0	4978.0	18420.0	23010.0	4895.0	18110.0	1574.0	0.16	23.6
885		21.8	24.9	65.6	26.5	1657.0	7561.0	432.0	475.6	244.1	428.3	27780.0	5678.0	22100.0	27390.0	5598.0	21790.0	1485.0	0.16	23.6
889		21.7	25.5	63.0	27.4	1694.0	7411.0	525.0	472.3	245.6	428.3	33060.0	6408.0	26650.0	32870.0	6372.0	26500.0	1485.0	0.15	23.3
892		25.5	29.1	67.5	30.9	1860.0	7583.0	513.0	474.8	251.8	428.5	31780.0	6593.0	25180.0	32040.0	6647.0	25390.0	1490.0	0.16	24.5
894		25.5	28.5	69.3	29.9	1811.0	7663.0	423.0	477.5	250.0	428.5	26730.0	5761.0	20970.0	26600.0	5731.0	20860.0	1530.0	0.16	24.7
897		25.5	27.4	70.0	28.8	1768.0	9977.0	360.0	478.8	248.0	428.4	23080.0	5037.0	18040.0	22580.0	4929.0	17650.0	1607.0	0.21	30.3

Condenser																			2/12
Run No.	Refrigerant	Re _{cc} (-)	Pr _{cc} (-)	h _{cc} (W/(m ² ·K))	h _{CR} (W/(m ² ·K))	q _{cc} (W/m ²)	T _{CRm} (°C)	T _{WCR} (°C)	ΔT _{satC} (°C)	ΔT _{mC2} (°C)	Nu _i (-)	H (-)	Pr _L (-)	Gr _i ×10 ⁻¹² (-)	Bo ⁺ (-)	Bo×10 ⁻⁵ (-)	U _{Ccal} (W/m ² ·K)	ΔP _{cc} (m)	λ _{cc} (-)
735	HFC410A	1154.0	6.3	3650.0	3015.0	6982.0	28.2	25.8	2.4	4.4	12.4	0.023	2.09	58.3	12.09	3.96	1516.0		
737		1164.0	6.2	3671.0	3160.0	6044.0	27.7	25.7	2.0	3.7	13.0	0.019	2.09	56.7	12.12	3.89	1565.0		
739		1281.0	6.5	4008.0	3143.0	5191.0	25.3	23.6	1.7	3.1	13.5	0.016	2.09	53.7	11.58	3.65	1681.0		
744		1495.0	6.5	4539.0	3192.0	4375.0	24.6	23.2	1.4	2.4	14.2	0.013	2.09	51.5	11.57	3.53	1828.0		
745		1478.0	6.6	4502.0	3075.0	3255.0	23.9	22.8	1.1	1.9	15.0	0.010	2.09	49.2	11.58	3.41	1899.0		
750		1471.0	6.6	4487.0	3205.0	3018.0	23.6	22.7	1.0	1.7	15.4	0.009	2.09	47.8	11.62	3.35	1931.0		
754		1616.0	6.0	4722.0	2984.0	4030.0	28.2	26.8	1.4	2.3	13.9	0.013	2.09	51.3	12.82	3.70	1836.0		
759		1636.0	5.9	4761.0	2891.0	4915.0	29.0	27.3	1.7	2.9	13.2	0.017	2.09	52.9	12.94	3.80	1772.0		
762		1604.0	5.8	4673.0	2646.0	6914.0	30.9	28.2	2.7	4.3	12.0	0.027	2.09	58.7	13.03	4.13	1622.0		
763		1307.0	5.5	3911.0	2693.0	7581.0	34.2	31.3	2.9	5.0	11.5	0.031	2.10	59.2	14.39	4.37	1475.0		
767		1652.0	5.9	4796.0	2751.0	5940.0	29.8	27.6	2.2	3.6	12.5	0.022	2.09	56.8	12.83	4.00	1699.0		
773		1646.0	5.9	4780.0	2684.0	5823.0	29.8	27.6	2.2	3.5	12.5	0.022	2.09	56.1	12.90	3.97	1697.0		
776		1777.0	5.4	4981.0	2699.0	5614.0	33.4	31.3	2.1	3.4	12.4	0.022	2.10	56.1	14.45	4.22	1702.0		
782		1804.0	5.3	5032.0	2485.0	7718.0	35.2	32.1	3.2	4.8	11.2	0.034	2.11	59.2	14.80	4.44	1581.0		
785		1708.0	5.7	4879.0	2912.0	5775.0	31.3	29.3	2.0	3.3	12.7	0.020	2.09	57.0	13.47	4.11	1717.0		
802		1702.0	5.7	4867.0	2580.0	5100.0	31.1	29.1	2.0	3.2	12.7	0.020	2.09	57.0	13.38	4.10	1720.0		
804		1786.0	5.4	4998.0	2358.0	5828.0	34.0	31.5	2.5	3.8	11.9	0.027	2.10	58.3	14.45	4.34	1649.0		
809		1765.0	5.4	4960.0	2743.0	4191.0	32.4	30.9	1.6	2.5	13.3	0.016	2.10	54.1	14.30	4.08	1795.0		
816		1720.0	5.6	4895.0	2469.0	6107.0	32.3	29.8	2.5	3.9	12.0	0.026	2.10	58.0	13.70	4.20	1653.0		
821		1085.0	5.5	3378.0	2967.0	5766.0	32.6	30.6	2.1	3.8	12.6	0.021	2.10	58.2	13.92	4.26	1471.0		
824		1088.0	5.6	3391.0	2987.0	4742.0	31.7	30.0	1.7	3.1	13.2	0.017	2.09	56.0	13.79	4.11	1524.0		
826		1079.0	5.6	3373.0	3235.0	3929.0	30.8	29.6	1.3	2.5	14.1	0.013	2.09	54.4	13.64	4.01	1579.0		
829		1065.0	5.6	3340.0	3515.0	3175.0	30.1	29.1	1.0	1.9	15.1	0.010	2.09	50.9	13.70	3.81	1639.0		
832		1067.0	5.6	3347.0	3665.0	2109.0	29.3	28.7	0.6	1.3	16.6	0.006	2.09	45.1	14.00	3.49	1747.0		
839		1093.0	5.4	3383.0	4061.0	1838.0	30.8	30.3	0.5	1.0	17.3	0.005	2.09	43.8	14.83	3.51	1795.0		
842		1075.0	5.4	3337.0	3834.0	2069.0	31.0	30.5	0.6	1.2	16.6	0.006	2.09	44.0	14.87	3.53	1748.0		
844		1086.0	5.4	3360.0	3568.0	3030.0	31.8	31.0	0.9	1.8	14.8	0.009	2.09	44.2	15.17	3.57	1662.0		
847		1078.0	5.4	3340.0	3191.0	3913.0	32.5	31.3	1.3	2.5	13.6	0.013	2.10	46.7	15.13	3.72	1577.0		
851		984.0	5.5	3125.0	3408.0	4745.0	31.8	30.3	1.5	3.0	13.6	0.015	2.09	56.5	13.82	4.16	1484.0		
852		1010.0	5.3	3162.0	3245.0	4521.0	33.5	32.0	1.5	2.9	13.4	0.016	2.10	55.8	14.67	4.25	1485.0		
856		1019.0	5.3	3181.0	3031.0	5466.0	34.4	32.5	1.9	3.7	12.6	0.021	2.10	58.1	14.82	4.41	1432.0		
858		1004.0	5.4	3152.0	3524.0	3744.0	32.6	31.5	1.2	2.3	14.3	0.012	2.10	53.2	14.56	4.08	1541.0		
863		922.9	5.8	3000.0	3534.0	3898.0	29.3	28.2	1.2	2.5	14.4	0.012	2.09	53.2	13.14	3.86	1515.0		
864		913.4	5.9	2988.0	4072.0	3213.0	28.1	27.2	0.9	1.9	15.6	0.008	2.09	51.2	12.89	3.71	1577.0		
867		905.5	5.9	2967.0	4654.0	2212.0	27.5	27.0	0.5	1.3	17.6	0.005	2.09	49.0	12.91	3.59	1661.0		
872		898.7	5.9	2951.0	5413.0	2027.0	27.2	26.8	0.4	1.1	18.6	0.004	2.09	48.7	12.86	3.57	1693.0		
873		834.3	6.5	2843.0	5413.0	2224.0	23.6	23.1	0.5	1.3	18.4	0.004	2.09	47.3	11.72	3.34	1660.0		
878		819.6	6.6	2814.0	4015.0	2535.0	23.3	22.7	0.7	1.6	16.7	0.006	2.09	47.6	11.58	3.33	1591.0		
880		843.3	6.4	2860.0	4275.0	3392.0	24.8	24.0	0.9	2.1	15.8	0.008	2.09	49.8	11.85	3.49	1556.0		
883		846.7	6.4	2866.0	3838.0	4175.0	25.6	24.4	1.2	2.7	14.7	0.011	2.09	52.0	11.87	3.61	1500.0		
885		849.3	6.4	2867.0	3346.0	4971.0	26.5	25.0	1.6	3.3	13.7	0.015	2.09	54.5	11.94	3.75	1443.0		
889		836.7	6.3	2829.0	3400.0	5965.0	27.4	25.5	1.9	4.0	13.2	0.018	2.09	57.5	11.98	3.91	1395.0		
892		929.0	5.8	3011.0	3192.0	5814.0	31.0	29.1	2.0	3.9	12.8	0.020	2.09	57.6	13.31	4.13	1414.0		
894		932.8	5.8	3026.0	3364.0	4827.0	30.0	28.5	1.6	3.2	13.6	0.015	2.09	55.0	13.18	3.97	1469.0		
897		1200.0	5.9	3712.0	3056.0	4098.0	28.8	27.5	1.4	2.6	14.0	0.014	2.09	53.5	12.89	3.84	1648.0		

Condenser																			3/12	
Run No.	Refrigerant	T _{CI} (°C)	T _{CO} (°C)	T _{CR1} (°C)	T _{CRO} (°C)	P _{CR1} (kPa)	m _{CC} (kg/h)	m _R (kg/h)	h _{CR1} (kJ/kg)	h _{CRO} (kJ/kg)	h _{CRD} (kJ/kg)	Q _{CR} (W)	Q _{CR1} (W)	Q _{CR2} (W)	Q _{CC} (W)	Q _{CC1} (W)	Q _{CC2} (W)	U _{Cexp} (W/m ² ·K)	V _{CC} (m/s)	Nu _{CC} (-)
901	HFC410A	25.5	27.1	73.5	28.1	1731.0	10020.0	288.0	483.0	246.9	428.4	18890.0	4372.0	14520.0	18370.0	4251.0	14120.0	1658.0	0.21	30.4
905		25.5	26.6	74.3	27.2	1682.0	9948.0	189.0	484.6	245.3	428.3	12560.0	2954.0	9608.0	12590.0	2960.0	9627.0	1720.0	0.21	30.1
906		29.2	31.5	71.3	33.2	1988.0	9787.0	426.0	477.2	255.6	428.5	26220.0	5766.0	20460.0	26460.0	5819.0	20640.0	1564.0	0.20	30.9
910		29.2	31.8	70.4	33.9	2025.0	10230.0	513.0	475.6	257.0	428.5	31150.0	6716.0	24430.0	31350.0	6760.0	24590.0	1539.0	0.21	32.1
914		29.2	30.9	74.0	32.3	1940.0	10160.0	339.0	480.8	254.1	428.5	21350.0	4923.0	16420.0	20980.0	4838.0	16140.0	1554.0	0.21	31.7
915		29.3	30.7	87.3	31.6	1903.0	10160.0	270.0	495.6	252.9	428.5	18200.0	5033.0	13170.0	16970.0	4693.0	12280.0	1657.0	0.21	31.7
931		27.4	28.9	84.8	29.9	1818.0	10090.0	270.0	494.0	249.9	428.5	18310.0	4912.0	13390.0	17450.0	4683.0	12770.0	1631.0	0.21	31.1
934		27.5	29.4	70.7	30.7	1854.0	10050.0	354.0	478.4	251.4	428.5	22330.0	4910.0	17420.0	22280.0	4899.0	17380.0	1617.0	0.21	31.0
938		27.3	29.6	69.8	31.4	1891.0	10010.0	429.0	476.9	252.5	428.5	26750.0	5770.0	20980.0	26490.0	5714.0	20780.0	1531.0	0.21	31.0
941		27.5	30.3	69.0	32.6	1952.0	9970.0	528.0	475.1	254.6	428.5	32340.0	6833.0	25510.0	32400.0	6845.0	25550.0	1507.0	0.21	31.0
942		25.4	28.3	66.5	30.6	1846.0	10020.0	531.0	473.9	251.1	428.5	32860.0	6701.0	26160.0	33130.0	6756.0	26370.0	1512.0	0.21	30.5
947		21.8	24.8	63.3	27.3	1695.0	9576.0	546.0	472.6	245.4	428.3	34450.0	6713.0	27740.0	34240.0	6672.0	27570.0	1477.0	0.20	28.5
949		21.8	24.9	63.2	27.3	1695.0	9426.0	549.0	472.5	245.5	428.3	34620.0	6733.0	27890.0	34260.0	6662.0	27590.0	1483.0	0.20	28.2
953		21.6	24.0	63.7	26.0	1633.0	10510.0	456.0	474.0	243.3	428.2	29230.0	5795.0	23430.0	28940.0	5737.0	23200.0	1540.0	0.22	30.6
955		21.6	23.5	65.7	25.0	1584.0	10920.0	369.0	476.8	241.7	428.1	24090.0	4987.0	19110.0	23970.0	4962.0	19010.0	1631.0	0.23	31.4
959		21.6	23.3	69.1	24.4	1560.0	10140.0	294.0	480.7	240.6	428.1	19610.0	4295.0	15310.0	19660.0	4306.0	15350.0	1675.0	0.21	29.6
963		21.6	22.6	70.0	23.2	1511.0	10110.0	177.0	482.3	238.7	427.9	11980.0	2674.0	9305.0	12320.0	2751.0	9573.0	1781.0	0.21	29.4

Condenser																			4/12
Run No.	Refrigerant	Re _{CC} (-)	Pr _{CC} (-)	h _{CC} (W/(m ² ·K))	h _{CR} (W/(m ² ·K))	q _{CC} (W/m ²)	T _{CRm} (°C)	T _{WCR} (°C)	ΔT _{satC} (°C)	ΔT _{mC2} (°C)	Nu _l (-)	H (-)	Pr _L (-)	Gr _l ×10 ⁻¹² (-)	Bo [*] (-)	Bo×10 ⁻⁵ (-)	U _{Ccal} (W/m ² ·K)	ΔP _{CC} (m)	λ _{CC} (-)
901	HFC410A	1201.0	5.9	3719.0	3244.0	3334.0	28.2	27.1	1.1	2.0	14.8	0.010	2.09	50.4	12.96	3.67	1717.0		
905		1185.0	5.9	3685.0	3517.0	2284.0	27.2	26.6	0.7	1.3	16.6	0.006	2.09	48.9	12.81	3.57	1815.0		
906		1274.0	5.4	3816.0	2844.0	4802.0	33.2	31.5	1.8	3.1	13.0	0.018	2.10	56.8	14.40	4.26	1581.0		
910		1337.0	5.4	3963.0	2692.0	5690.0	34.0	31.8	2.2	3.7	12.3	0.023	2.10	58.4	14.52	4.37	1548.0	1.1	4.4
914		1315.0	5.4	3920.0	2758.0	3807.0	32.4	31.0	1.4	2.5	13.6	0.015	2.10	53.8	14.33	4.07	1658.0	1.1	4.5
915		1313.0	5.4	3916.0	3103.0	3080.0	31.7	30.7	1.0	1.9	14.3	0.010	2.09	44.3	15.07	3.56	1760.0	1.2	4.9
931		1258.0	5.7	3819.0	3072.0	3167.0	29.9	28.9	1.1	1.9	14.3	0.010	2.09	44.6	14.22	3.47	1743.0	1.1	4.7
934		1260.0	5.6	3819.0	3025.0	4044.0	30.8	29.4	1.4	2.5	13.9	0.014	2.09	54.7	13.56	4.01	1653.0	1.1	4.6
938		1255.0	5.6	3808.0	2742.0	4808.0	31.4	29.6	1.8	3.1	13.0	0.018	2.09	56.2	13.63	4.10	1587.0	1.1	4.6
941		1263.0	5.5	3816.0	2663.0	5880.0	32.6	30.4	2.3	3.9	12.3	0.024	2.10	58.2	13.89	4.25	1526.0	1.1	4.6
942		1216.0	5.8	3742.0	2715.0	6013.0	30.7	28.4	2.3	4.0	12.4	0.023	2.09	58.1	13.06	4.11	1527.0	1.1	4.5
947		1074.0	6.4	3461.0	2761.0	6215.0	27.3	25.0	2.4	4.2	12.5	0.022	2.09	57.2	11.89	3.87	1496.0	1.0	4.6
949		1058.0	6.4	3419.0	2809.0	6217.0	27.3	25.1	2.3	4.2	12.6	0.022	2.09	57.3	11.90	3.88	1490.0	1.0	4.8
953		1165.0	6.5	3706.0	2828.0	5252.0	26.0	24.1	1.9	3.4	13.2	0.018	2.09	55.4	11.66	3.75	1593.0	1.3	5.1
955		1205.0	6.5	3811.0	3077.0	4351.0	25.1	23.7	1.5	2.7	14.0	0.013	2.09	52.8	11.62	3.61	1682.0	1.4	5.0
959		1114.0	6.5	3583.0	3424.0	3567.0	24.4	23.4	1.1	2.1	15.0	0.010	2.09	49.9	11.68	3.47	1706.0	1.2	5.0
963		1103.0	6.6	3561.0	3922.0	2237.0	23.3	22.7	0.6	1.3	17.4	0.005	2.09	48.3	11.53	3.37	1832.0	1.2	4.9

Condenser																				5/12	
Run No.	Refrigerant	T _{CI} (°C)	T _{CO} (°C)	T _{CR1} (°C)	T _{CRO} (°C)	P _{CR1} (kPa)	m _{CC} (kg/h)	m _R (kg/h)	h _{CR1} (kJ/kg)	h _{CRO} (kJ/kg)	h _{CRD} (kJ/kg)	Q _{CR} (W)	Q _{CR1} (W)	Q _{CR2} (W)	Q _{CC} (W)	Q _{CC1} (W)	Q _{CC2} (W)	U _{Cexp} (W/m²·K)	V _{CC} (m/s)	Nu _{CC} (-)	
6	HFC410A	21.5	23.1	53.7	25.2	1598.0	13660.0	363.0	463.7	241.9	428.2	22370.0	3585.0	18780.0	25850.0	4144.0	21710.0	1575.0	0.28	37.5	
7		21.8	23.1	56.2	24.6	1573.0	13660.0	327.0	466.8	241.0	428.1	20510.0	3514.0	16990.0	21250.0	3641.0	17610.0	1651.0	0.28	37.5	
21		25.3	26.8	65.3	28.7	1756.0	13610.0	396.0	473.9	248.0	428.4	24850.0	4998.0	19850.0	24640.0	4956.0	19680.0	1565.0	0.28	38.7	
22		25.6	27.7	62.5	30.7	1854.0	13750.0	540.0	469.3	251.3	428.5	32710.0	6122.0	26580.0	34960.0	6544.0	28420.0	1502.0	0.29	39.3	
25		27.4	29.6	57.2	32.5	1941.0	13710.0	531.0	461.9	254.4	428.5	30600.0	4922.0	25680.0	34040.0	5475.0	28570.0	1502.0	0.28	39.8	
28		27.4	28.9	59.6	30.8	1854.0	13640.0	396.0	466.1	251.4	428.5	23610.0	4136.0	19480.0	24220.0	4242.0	19980.0	1582.0	0.28	39.5	
45		29.3	30.8	70.0	32.5	1953.0	13590.0	390.0	476.2	254.5	428.5	24020.0	5172.0	18850.0	23030.0	4957.0	18070.0	1576.0	0.28	40.1	
47		29.3	31.4	58.5	34.2	2038.0	13740.0	540.0	461.8	257.5	428.4	30640.0	5000.0	25640.0	33480.0	5464.0	28020.0	1510.0	0.29	40.5	
49		29.2	33.2	60.5	34.9	2075.0	6500.0	492.0	463.5	258.7	428.4	27990.0	4791.0	23200.0	30470.0	5216.0	25250.0	1417.0	0.14	22.4	
54		29.3	32.1	62.9	33.0	1977.0	6501.0	360.0	467.9	255.4	428.5	21250.0	3938.0	17310.0	20970.0	3887.0	17080.0	1495.0	0.14	22.3	
56		29.3	30.8	75.0	31.1	1879.0	6462.0	180.0	482.7	252.0	428.5	11540.0	2712.0	8825.0	11020.0	2591.0	8432.0	1719.0	0.13	22.1	
60		26.9	28.4	72.7	28.7	1756.0	6506.0	183.0	481.9	247.9	428.4	11890.0	2716.0	9176.0	11630.0	2656.0	8973.0	1767.0	0.14	21.8	
62		27.1	29.5	70.2	30.2	1830.0	6505.0	279.0	478.2	250.5	428.5	17640.0	3851.0	13790.0	17970.0	3922.0	14050.0	1539.0	0.14	21.9	
66		27.1	30.1	67.5	31.2	1879.0	6465.0	348.0	474.6	252.2	428.5	21500.0	4452.0	17050.0	22730.0	4708.0	18020.0	1489.0	0.13	21.9	
79		21.7	24.2	58.5	25.1	1585.0	6694.0	303.0	469.2	241.9	428.1	19130.0	3452.0	15680.0	19510.0	3520.0	15990.0	1537.0	0.14	21.3	
84		21.6	23.3	61.4	23.7	1524.0	6664.0	201.0	473.1	239.5	428.0	13040.0	2518.0	10530.0	12770.0	2465.0	10300.0	1689.0	0.14	21.1	
85		25.3	26.9	70.7	27.3	1683.0	6619.0	186.0	480.7	245.4	428.3	12160.0	2706.0	9449.0	11910.0	2651.0	9257.0	1677.0	0.14	21.8	
90		25.6	28.0	69.6	28.7	1756.0	6618.0	297.0	478.6	248.0	428.4	19020.0	4136.0	14890.0	18430.0	4008.0	14430.0	1534.0	0.14	21.9	
91		25.3	28.2	60.0	29.3	1794.0	6687.0	342.0	467.5	249.0	428.5	20770.0	3713.0	17050.0	22660.0	4052.0	18610.0	1494.0	0.14	22.1	

Condenser																			6/12
Run No.	Refrigerant	Re _{CC} (-)	Pr _{CC} (-)	h _{CC} (W/(m ² ·K))	h _{CR} (W/(m ² ·K))	q _{CC} (W/m ²)	T _{CRm} (°C)	T _{WCR} (°C)	ΔT _{satC} (°C)	ΔT _{mC2} (°C)	Nu _l (-)	H (-)	Pr _L (-)	Gr _l ×10 ⁻¹² (-)	Bo [*] (-)	Bo×10 ⁻⁵ (-)	U _{Ccal} (W/m ² ·K)	ΔP _{CC} (m)	λ _{CC} (-)
6	HFC410A	1498.0	6.5	4543.0	2571.0	4692.0	25.2	23.4	1.9	3.0	13640.0	0.017	2.09	62.8	11.0	4.04	1725.0	2.5	5.7
7		1501.0	6.5	4549.0	2777.0	3857.0	24.7	23.3	1.4	2.3	14500.0	0.013	2.09	59.9	11.0	3.91	1804.0	2.5	5.7
21		1623.0	5.9	4737.0	2487.0	4471.0	28.8	27.0	1.8	2.9	13210.0	0.018	2.09	57.1	12.5	3.98	1745.0	2.4	5.6
22		1661.0	5.9	4811.0	2315.0	6345.0	30.7	28.0	2.8	4.2	11960.0	0.028	2.09	61.9	12.7	4.26	1621.0	2.5	5.7
25		1721.0	5.6	4899.0	2295.0	6178.0	32.5	29.8	2.8	4.1	12150.0	0.028	2.10	69.9	12.9	4.76	1602.0	2.5	5.6
28		1700.0	5.7	4860.0	2498.0	4395.0	30.8	29.1	1.8	2.8	13440.0	0.018	2.09	64.8	12.8	4.46	1731.0	2.6	5.9
45		1760.0	5.4	4948.0	2459.0	4179.0	32.6	30.9	1.7	2.7	13120.0	0.018	2.10	57.2	14.1	4.24	1756.0	2.3	5.3
47		1791.0	5.4	5010.0	2290.0	6076.0	34.3	31.6	2.7	4.0	12110.0	0.029	2.10	71.2	13.6	4.97	1599.0	2.3	5.2
49		860.6	5.3	2776.0	3127.0	5530.0	35.0	33.0	2.0	3.9	12960.0	0.021	2.10	69.8	14.2	5.03	1319.0	0.2	1.9
54		852.1	5.3	2761.0	3558.0	3806.0	33.1	31.9	1.2	2.6	14590.0	0.013	2.10	64.5	13.9	4.67	1412.0	0.2	1.9
56		837.4	5.4	2731.0	5273.0	2001.0	31.1	30.7	0.5	1.2	18160.0	0.005	2.09	51.9	14.2	3.96	1587.0	0.1	1.5
60		802.9	5.7	2674.0	6022.0	2111.0	28.8	28.4	0.4	1.2	18600.0	0.004	2.09	51.4	13.2	3.79	1586.0	0.2	1.9
62		813.4	5.6	2693.0	3958.0	3261.0	30.3	29.4	0.9	2.1	15340.0	0.009	2.09	54.7	13.5	4.01	1463.0	0.1	1.5
66		813.8	5.6	2689.0	3650.0	4126.0	31.2	30.0	1.3	2.8	14270.0	0.013	2.09	57.9	13.5	4.21	1404.0	0.1	1.5
79		745.2	6.4	2589.0	4193.0	3540.0	25.2	24.3	1.0	2.3	15800.0	0.009	2.09	58.4	11.4	3.89	1442.0	0.2	2.3
84		732.8	6.5	2563.0	5682.0	2317.0	23.8	23.3	0.5	1.4	18610.0	0.004	2.09	54.5	11.2	3.68	1541.0	0.2	2.4
85		790.5	5.9	2664.0	5123.0	2161.0	27.3	26.9	0.5	1.3	18070.0	0.005	2.09	51.4	12.7	3.71	1568.0	0.2	2.1
90		801.2	5.8	2683.0	3947.0	3346.0	28.8	27.9	1.0	2.2	15320.0	0.009	2.09	53.7	13.0	3.87	1465.0	0.2	1.8
91		809.3	5.8	2705.0	3654.0	4113.0	29.4	28.1	1.3	2.8	14640.0	0.012	2.09	62.6	12.5	4.30	1411.0	0.3	2.7

Condenser																				5/12	
Run No.	Refrigerant	T _{CI} (°C)	T _{CO} (°C)	T _{CR1} (°C)	T _{CRO} (°C)	P _{CR1} (kPa)	m _{CC} (kg/h)	m _R (kg/h)	h _{CR1} (kJ/kg)	h _{CRO} (kJ/kg)	h _{CRD} (kJ/kg)	Q _{CR} (W)	Q _{CR1} (W)	Q _{CR2} (W)	Q _{CC} (W)	Q _{CC1} (W)	Q _{CC2} (W)	U _{Cexp} (W/m²·K)	V _{CC} (m/s)	Nu _{CC} (-)	
6	HFC410A	21.5	23.1	53.7	25.2	1598.0	13660.0	363.0	463.7	241.9	428.2	22370.0	3585.0	18780.0	25850.0	4144.0	21710.0	1575.0	0.28	37.5	
7		21.8	23.1	56.2	24.6	1573.0	13660.0	327.0	466.8	241.0	428.1	20510.0	3514.0	16990.0	21250.0	3641.0	17610.0	1651.0	0.28	37.5	
21		25.3	26.8	65.3	28.7	1756.0	13610.0	396.0	473.9	248.0	428.4	24850.0	4998.0	19850.0	24640.0	4956.0	19680.0	1565.0	0.28	38.7	
22		25.6	27.7	62.5	30.7	1854.0	13750.0	540.0	469.3	251.3	428.5	32710.0	6122.0	26580.0	34960.0	6544.0	28420.0	1502.0	0.29	39.3	
25		27.4	29.6	57.2	32.5	1941.0	13710.0	531.0	461.9	254.4	428.5	30600.0	4922.0	25680.0	34040.0	5475.0	28570.0	1502.0	0.28	39.8	
28		27.4	28.9	59.6	30.8	1854.0	13640.0	396.0	466.1	251.4	428.5	23610.0	4136.0	19480.0	24220.0	4242.0	19980.0	1582.0	0.28	39.5	
45		29.3	30.8	70.0	32.5	1953.0	13590.0	390.0	476.2	254.5	428.5	24020.0	5172.0	18850.0	23030.0	4957.0	18070.0	1576.0	0.28	40.1	
47		29.3	31.4	58.5	34.2	2038.0	13740.0	540.0	461.8	257.5	428.4	30640.0	5000.0	25640.0	33480.0	5464.0	28020.0	1510.0	0.29	40.5	
49		29.2	33.2	60.5	34.9	2075.0	6500.0	492.0	463.5	258.7	428.4	27990.0	4791.0	23200.0	30470.0	5216.0	25250.0	1417.0	0.14	22.4	
54		29.3	32.1	62.9	33.0	1977.0	6501.0	360.0	467.9	255.4	428.5	21250.0	3938.0	17310.0	20970.0	3887.0	17080.0	1495.0	0.14	22.3	
56		29.3	30.8	75.0	31.1	1879.0	6462.0	180.0	482.7	252.0	428.5	11540.0	2712.0	8825.0	11020.0	2591.0	8432.0	1719.0	0.13	22.1	
60		26.9	28.4	72.7	28.7	1756.0	6506.0	183.0	481.9	247.9	428.4	11890.0	2716.0	9176.0	11630.0	2656.0	8973.0	1767.0	0.14	21.8	
62		27.1	29.5	70.2	30.2	1830.0	6505.0	279.0	478.2	250.5	428.5	17640.0	3851.0	13790.0	17970.0	3922.0	14050.0	1539.0	0.14	21.9	
66		27.1	30.1	67.5	31.2	1879.0	6465.0	348.0	474.6	252.2	428.5	21500.0	4452.0	17050.0	22730.0	4708.0	18020.0	1489.0	0.13	21.9	
79		21.7	24.2	58.5	25.1	1585.0	6694.0	303.0	469.2	241.9	428.1	19130.0	3452.0	15680.0	19510.0	3520.0	15990.0	1537.0	0.14	21.3	
84		21.6	23.3	61.4	23.7	1524.0	6664.0	201.0	473.1	239.5	428.0	13040.0	2518.0	10530.0	12770.0	2465.0	10300.0	1689.0	0.14	21.1	
85		25.3	26.9	70.7	27.3	1683.0	6619.0	186.0	480.7	245.4	428.3	12160.0	2706.0	9449.0	11910.0	2651.0	9257.0	1677.0	0.14	21.8	
90		25.6	28.0	69.6	28.7	1756.0	6618.0	297.0	478.6	248.0	428.4	19020.0	4136.0	14890.0	18430.0	4008.0	14430.0	1534.0	0.14	21.9	
91		25.3	28.2	60.0	29.3	1794.0	6687.0	342.0	467.5	249.0	428.5	20770.0	3713.0	17050.0	22660.0	4052.0	18610.0	1494.0	0.14	22.1	

Condenser																			6/12
Run No.	Refrigerant	Re _{CC} (-)	Pr _{CC} (-)	h _{CC} (W/(m ² ·K))	h _{CR} (W/(m ² ·K))	q _{CC} (W/m ²)	T _{CRm} (°C)	T _{WCR} (°C)	ΔT _{satC} (°C)	ΔT _{mC2} (°C)	Nu _i (-)	H (-)	Pr _L (-)	Gr _i ×10 ⁻¹² (-)	Bo [*] (-)	Bo×10 ⁻⁵ (-)	U _{Ccal} (W/m ² ·K)	ΔP _{CC} (m)	λ _{CC} (-)
6	HFC410A	1498.0	6.5	4543.0	2571.0	4692.0	25.2	23.4	1.9	3.0	13640.0	0.017	2.09	62.8	11.0	4.04	1725.0	2.5	5.7
7		1501.0	6.5	4549.0	2777.0	3857.0	24.7	23.3	1.4	2.3	14500.0	0.013	2.09	59.9	11.0	3.91	1804.0	2.5	5.7
21		1623.0	5.9	4737.0	2487.0	4471.0	28.8	27.0	1.8	2.9	13210.0	0.018	2.09	57.1	12.5	3.98	1745.0	2.4	5.6
22		1661.0	5.9	4811.0	2315.0	6345.0	30.7	28.0	2.8	4.2	11960.0	0.028	2.09	61.9	12.7	4.26	1621.0	2.5	5.7
25		1721.0	5.6	4899.0	2295.0	6178.0	32.5	29.8	2.8	4.1	12150.0	0.028	2.10	69.9	12.9	4.76	1602.0	2.5	5.6
28		1700.0	5.7	4860.0	2498.0	4395.0	30.8	29.1	1.8	2.8	13440.0	0.018	2.09	64.8	12.8	4.46	1731.0	2.6	5.9
45		1760.0	5.4	4948.0	2459.0	4179.0	32.6	30.9	1.7	2.7	13120.0	0.018	2.10	57.2	14.1	4.24	1756.0	2.3	5.3
47		1791.0	5.4	5010.0	2290.0	6076.0	34.3	31.6	2.7	4.0	12110.0	0.029	2.10	71.2	13.6	4.97	1599.0	2.3	5.2
49		860.6	5.3	2776.0	3127.0	5530.0	35.0	33.0	2.0	3.9	12960.0	0.021	2.10	69.8	14.2	5.03	1319.0	0.2	1.9
54		852.1	5.3	2761.0	3558.0	3806.0	33.1	31.9	1.2	2.6	14590.0	0.013	2.10	64.5	13.9	4.67	1412.0	0.2	1.9
56		837.4	5.4	2731.0	5273.0	2001.0	31.1	30.7	0.5	1.2	18160.0	0.005	2.09	51.9	14.2	3.96	1587.0	0.1	1.5
60		802.9	5.7	2674.0	6022.0	2111.0	28.8	28.4	0.4	1.2	18600.0	0.004	2.09	51.4	13.2	3.79	1586.0	0.2	1.9
62		813.4	5.6	2693.0	3958.0	3261.0	30.3	29.4	0.9	2.1	15340.0	0.009	2.09	54.7	13.5	4.01	1463.0	0.1	1.5
66		813.8	5.6	2689.0	3650.0	4126.0	31.2	30.0	1.3	2.8	14270.0	0.013	2.09	57.9	13.5	4.21	1404.0	0.1	1.5
79		745.2	6.4	2589.0	4193.0	3540.0	25.2	24.3	1.0	2.3	15800.0	0.009	2.09	58.4	11.4	3.89	1442.0	0.2	2.3
84		732.8	6.5	2563.0	5682.0	2317.0	23.8	23.3	0.5	1.4	18610.0	0.004	2.09	54.5	11.2	3.68	1541.0	0.2	2.4
85		790.5	5.9	2664.0	5123.0	2161.0	27.3	26.9	0.5	1.3	18070.0	0.005	2.09	51.4	12.7	3.71	1568.0	0.2	2.1
90		801.2	5.8	2683.0	3947.0	3346.0	28.8	27.9	1.0	2.2	15320.0	0.009	2.09	53.7	13.0	3.87	1465.0	0.2	1.8
91		809.3	5.8	2705.0	3654.0	4113.0	29.4	28.1	1.3	2.8	14640.0	0.012	2.09	62.6	12.5	4.30	1411.0	0.3	2.7

Condenser																					7/12
Run No.	Refrigerant	T _{CI} (°C)	T _{CO} (°C)	T _{CRI} (°C)	T _{CRO} (°C)	P _{CRI} (kPa)	m _{CC} (kg/h)	m _R (kg/h)	h _{CRI} (kJ/kg)	h _{CRO} (kJ/kg)	h _{CRD} (kJ/kg)	Q _{CR} (W)	Q _{CR1} (W)	Q _{CR2} (W)	Q _{CC} (W)	Q _{CC1} (W)	Q _{CC2} (W)	U _{Cexp} (W/m²·K)	V _{CC} (m/s)	Nu _{CC} (-)	
464	HFC404A	22.7	25.4	54.2	27.4	1315.0	9235.0	624.0	407.1	239.1	376.1	29130.0	5368.0	23760.0	29590.0	5453.0	24140.0	1454.0	0.19	27.9	
473		21.5	22.9	52.7	23.7	1204.0	12080.0	339.0	407.2	233.5	375.0	16360.0	3034.0	13330.0	19640.0	3643.0	16000.0	1957.0	0.25	34.0	
475		21.5	23.2	51.9	24.4	1228.0	12200.0	414.0	405.9	234.5	375.2	19710.0	3530.0	16180.0	23240.0	4162.0	19080.0	1750.0	0.25	34.3	
480		21.5	23.5	51.1	25.3	1253.0	11560.0	501.0	404.7	235.9	375.5	23500.0	4067.0	19430.0	27120.0	4694.0	22430.0	1591.0	0.24	32.9	
483		21.7	24.0	52.5	26.3	1290.0	11820.0	606.0	405.7	237.4	375.9	28330.0	5015.0	23310.0	31710.0	5614.0	26090.0	1523.0	0.25	33.6	
485		21.8	24.7	54.9	27.4	1326.0	10770.0	717.0	407.7	239.2	376.3	33570.0	6272.0	27300.0	36400.0	6800.0	29600.0	1448.0	0.22	31.3	
487		21.9	25.0	55.9	28.1	1351.0	11180.0	792.0	408.5	240.2	376.5	37010.0	7032.0	29980.0	39860.0	7572.0	32280.0	1415.0	0.23	32.3	
490		25.5	28.4	59.6	31.7	1485.0	12040.0	825.0	410.5	245.8	377.6	37740.0	7538.0	30200.0	40800.0	8149.0	32650.0	1422.0	0.25	35.4	
495		25.6	28.4	59.6	31.4	1474.0	12000.0	771.0	410.6	245.4	377.5	35380.0	7083.0	28290.0	38710.0	7751.0	30960.0	1453.0	0.25	35.3	
497		25.4	27.9	57.7	30.6	1436.0	12150.0	690.0	409.1	244.1	377.2	31630.0	6108.0	25520.0	35110.0	6781.0	28330.0	1484.0	0.25	35.6	
501		25.3	27.5	56.3	29.5	1400.0	12190.0	591.0	408.1	242.4	376.9	27190.0	5114.0	22080.0	30280.0	5694.0	24580.0	1570.0	0.25	35.6	
504		25.3	27.2	55.4	28.7	1376.0	11890.0	477.0	407.6	241.1	376.7	22060.0	4086.0	17970.0	25950.0	4807.0	21140.0	1682.0	0.25	34.8	
506		25.3	26.9	55.9	28.0	1351.0	12040.0	396.0	408.4	240.1	376.5	18520.0	3513.0	15000.0	22080.0	4190.0	17890.0	1801.0	0.25	35.2	
519		29.2	31.9	62.6	35.0	1621.0	12180.0	795.0	411.8	251.2	378.6	35480.0	7337.0	28140.0	39140.0	8095.0	31040.0	1446.0	0.25	36.8	
521		29.2	31.8	61.9	34.7	1596.0	12250.0	750.0	411.4	250.6	378.4	33490.0	6864.0	26630.0	36660.0	7513.0	29150.0	1449.0	0.25	37.0	
524		29.2	31.6	60.7	34.2	1572.0	12210.0	678.0	410.3	249.8	378.3	30240.0	6043.0	24200.0	33290.0	6651.0	26630.0	1458.0	0.25	36.9	
527		29.1	31.2	59.7	33.2	1547.0	12100.0	573.0	409.6	248.2	378.1	25690.0	5020.0	20670.0	29340.0	5732.0	23610.0	1566.0	0.25	36.5	
530		29.1	30.8	59.6	32.2	1510.0	12030.0	459.0	410.1	246.7	377.8	20840.0	4117.0	16720.0	24570.0	4854.0	19710.0	1692.0	0.25	36.3	
533		29.0	30.5	60.1	31.4	1474.0	12100.0	378.0	411.2	245.4	377.5	17410.0	3533.0	13870.0	20920.0	4247.0	16670.0	1874.0	0.25	36.4	
539		32.0	34.5	64.4	37.2	1706.0	12130.0	738.0	412.6	254.7	379.1	32360.0	6867.0	25500.0	35880.0	7613.0	28260.0	1481.0	0.25	37.5	
541		32.0	34.4	63.8	36.9	1694.0	12130.0	657.0	412.1	254.1	379.0	28830.0	6034.0	22800.0	33060.0	6919.0	26140.0	1490.0	0.25	37.5	
544		31.8	33.9	62.2	35.8	1645.0	12130.0	558.0	411.0	252.3	378.7	24590.0	5001.0	19590.0	28850.0	5866.0	22980.0	1607.0	0.25	37.4	
549		31.9	33.7	63.0	35.1	1621.0	12050.0	453.0	412.3	251.2	378.6	20270.0	4240.0	16030.0	24320.0	5089.0	19230.0	1674.0	0.25	37.2	
552		32.1	33.6	64.3	34.5	1596.0	12090.0	372.0	414.1	250.4	378.4	16920.0	3685.0	13230.0	20480.0	4460.0	16020.0	1865.0	0.25	37.3	
586		23.7	27.4	56.2	29.7	1401.0	8265.0	711.0	408.0	242.7	376.9	32650.0	6139.0	26510.0	35110.0	6602.0	28510.0	1384.0	0.17	25.9	
589		23.8	27.1	55.7	29.1	1388.0	8265.0	639.0	407.6	241.8	376.8	29430.0	5467.0	23970.0	32240.0	5987.0	26250.0	1433.0	0.17	25.9	
611		25.3	29.2	58.7	31.8	1486.0	8301.0	765.0	409.5	245.9	377.6	34750.0	6765.0	27980.0	37670.0	7333.0	30340.0	1369.0	0.17	26.4	
615		25.3	28.8	57.7	31.2	1462.0	8600.0	708.0	408.7	245.1	377.4	32180.0	6150.0	26030.0	35040.0	6696.0	28340.0	1389.0	0.18	27.1	
639		29.1	32.6	61.1	35.1	1609.0	8660.0	735.0	410.3	251.3	378.5	32450.0	6488.0	25970.0	35270.0	7051.0	28220.0	1363.0	0.18	28.1	
640		29.2	32.4	59.9	34.8	1597.0	8889.0	678.0	409.1	250.8	378.4	29810.0	5769.0	24040.0	33110.0	6409.0	26700.0	1369.0	0.18	28.7	
644		29.2	32.1	59.1	34.2	1584.0	8890.0	615.0	408.4	249.8	378.3	27090.0	5129.0	21960.0	30430.0	5762.0	24670.0	1410.0	0.18	28.7	
648		29.2	31.8	58.9	33.3	1548.0	8890.0	507.0	408.7	248.4	378.1	22570.0	4311.0	18260.0	26000.0	4964.0	21030.0	1479.0	0.18	28.6	
667		32.0	35.1	62.6	37.4	1706.0	8991.0	672.0	410.5	254.9	379.1	29040.0	5876.0	23170.0	32340.0	6543.0	25800.0	1398.0	0.19	29.6	
671		32.0	35.0	61.9	36.9	1694.0	8613.0	609.0	409.8	254.1	379.0	26330.0	5212.0	21120.0	29680.0	5875.0	23810.0	1417.0	0.18	28.6	
673		32.1	34.5	61.7	36.0	1657.0	8843.0	504.0	410.3	252.8	378.8	22050.0	4406.0	17640.0	25030.0	5002.0	20030.0	1480.0	0.18	29.2	

Condenser																			8/12
Run No.	Refrigerant	Re _{cc} (-)	Pr _{cc} (-)	h _{cc} (W/(m ² ·K))	h _{CR} (W/(m ² ·K))	q _{cc} (W/m ²)	T _{CRm} (°C)	T _{WCR} (°C)	ΔT _{satC} (°C)	ΔT _{mC2} (°C)	Nu _i (-)	H (-)	Pr _L (-)	Gr _i ×10 ⁻¹² (-)	Bo ⁺ (-)	Bo×10 ⁻⁵ (-)	U _{Ccal} (W/m ² ·K)	ΔP _{cc} (m)	λ _{cc} (-)
464	HFC404A	1054.0	6.2	3393.0	2723.0	5371.0	27.6	25.6	2.0	3.7	41.8	0.023	2.89	52.8	12.81	179.0	2096.0		
473		1321.0	6.6	4112.0	4135.0	3565.0	23.9	23.1	0.9	1.8	51.7	0.010	2.91	49.3	12.06	168.3	2550.0		
475		1338.0	6.5	4152.0	3280.0	4217.0	24.6	23.4	1.3	2.4	47.1	0.014	2.90	51.1	12.08	169.9	2477.0		
480		1274.0	6.5	3986.0	2842.0	4922.0	25.5	23.8	1.8	3.1	43.9	0.020	2.90	53.1	12.13	171.9	2350.0		
483		1313.0	6.4	4075.0	2594.0	5755.0	26.5	24.3	2.3	3.8	41.1	0.025	2.89	53.2	12.38	174.5	2322.0		
485		1208.0	6.4	3803.0	2488.0	6606.0	27.7	25.0	2.7	4.6	38.8	0.031	2.89	52.4	12.76	177.8	2190.0		
487		1258.0	6.3	3924.0	2348.0	7233.0	28.3	25.2	3.2	5.1	37.3	0.036	2.88	52.4	12.92	179.3	2195.0		
490		1463.0	5.8	4338.0	2238.0	7405.0	31.9	28.6	3.4	5.2	36.0	0.041	2.86	53.7	14.15	194.1	2276.0		
495		1461.0	5.8	4332.0	2316.0	7026.0	31.6	28.6	3.1	4.8	36.8	0.037	2.87	53.3	14.13	193.7	2297.0		
497		1469.0	5.8	4358.0	2390.0	6372.0	30.8	28.1	2.7	4.3	38.3	0.032	2.87	53.9	13.80	190.8	2340.0		
501		1465.0	5.9	4355.0	2622.0	5495.0	29.7	27.6	2.1	3.5	41.0	0.025	2.87	54.0	13.49	187.7	2402.0		
504		1423.0	5.9	4261.0	2995.0	4709.0	28.9	27.3	1.6	2.8	44.1	0.019	2.88	53.7	13.28	185.4	2442.0		
506		1439.0	5.9	4300.0	3367.0	4008.0	28.2	27.1	1.2	2.2	47.2	0.014	2.88	52.3	13.24	183.8	2522.0		
519		1592.0	5.3	4556.0	2241.0	7103.0	35.2	32.1	3.2	4.9	35.8	0.042	2.85	55.2	15.56	211.5	2315.0		
521		1600.0	5.4	4574.0	2244.0	6654.0	34.9	31.9	3.0	4.6	36.5	0.039	2.85	55.3	15.44	210.3	2339.0		
524		1592.0	5.4	4558.0	2269.0	6041.0	34.4	31.7	2.7	4.1	37.7	0.034	2.86	55.8	15.20	208.4	2365.0		
527		1570.0	5.4	4513.0	2557.0	5325.0	33.4	31.3	2.1	3.4	40.3	0.027	2.86	55.8	14.88	205.2	2420.0		
530		1555.0	5.4	4482.0	2923.0	4459.0	32.4	30.9	1.6	2.6	43.6	0.019	2.86	54.5	14.69	202.0	2494.0		
533		1557.0	5.4	4494.0	3504.0	3797.0	31.6	30.6	1.1	2.0	47.3	0.013	2.86	52.6	14.60	199.4	2585.0		
539		1669.0	5.0	4670.0	2298.0	6511.0	37.4	34.6	2.9	4.4	36.3	0.039	2.85	56.0	16.72	225.7	2351.0		
541		1669.0	5.0	4669.0	2319.0	6001.0	37.0	34.4	2.6	4.0	37.3	0.035	2.85	56.3	16.56	224.3	2377.0		
544		1658.0	5.1	4653.0	2620.0	5235.0	36.0	34.0	2.0	3.3	40.1	0.027	2.85	56.5	16.11	219.9	2446.0		
549		1645.0	5.1	4624.0	2814.0	4414.0	35.3	33.7	1.6	2.6	42.4	0.021	2.85	54.6	16.04	217.3	2507.0		
552		1653.0	5.1	4641.0	3389.0	3716.0	34.7	33.7	1.1	2.0	46.0	0.014	2.85	52.4	16.11	215.9	2606.0		
586		974.5	6.0	3160.0	2629.0	6373.0	29.9	27.4	2.5	4.6	39.2	0.030	2.87	54.2	13.47	187.4	1958.0		
589		973.0	6.0	3157.0	2814.0	5850.0	29.3	27.2	2.2	4.1	40.9	0.026	2.88	54.1	13.32	185.9	1984.0		
611		1015.0	5.8	3233.0	2529.0	6837.0	32.0	29.2	2.8	5.0	37.8	0.034	2.86	54.7	14.20	195.9	1958.0		
615		1048.0	5.8	3321.0	2544.0	6359.0	31.4	28.9	2.6	4.6	38.7	0.032	2.87	54.9	14.00	194.1	2006.0		
639		1140.0	5.3	3481.0	2377.0	6402.0	35.3	32.6	2.8	4.7	37.3	0.036	2.85	56.7	15.57	213.5	2025.0		
640		1169.0	5.3	3552.0	2362.0	6009.0	35.0	32.4	2.6	4.4	38.1	0.034	2.85	57.7	15.35	212.1	2061.0		
644		1165.0	5.3	3546.0	2490.0	5523.0	34.4	32.1	2.3	3.9	39.6	0.029	2.86	58.0	15.11	209.9	2088.0		
648		1161.0	5.4	3540.0	2717.0	4718.0	33.5	31.8	1.8	3.2	42.1	0.023	2.86	56.9	14.92	206.8	2136.0		
667		1246.0	5.0	3690.0	2391.0	5869.0	37.6	35.1	2.5	4.2	37.8	0.034	2.85	58.3	16.68	228.0	2095.0		
671		1191.0	5.0	3561.0	2505.0	5387.0	37.1	34.9	2.2	3.8	39.2	0.030	2.85	58.8	16.45	226.0	2079.0		
673		1220.0	5.0	3631.0	2669.0	4544.0	36.2	34.5	1.8	3.1	41.6	0.023	2.85	57.5	16.23	222.5	2155.0		

Condenser																					9/12
Run No.	Refrigerant	T _{CI} (°C)	T _{CO} (°C)	T _{CRI} (°C)	T _{CRO} (°C)	P _{CRI} (kPa)	m _{CC} (kg/h)	m _R (kg/h)	h _{CRI} (kJ/kg)	h _{CRO} (kJ/kg)	h _{CRD} (kJ/kg)	Q _{CR} (W)	Q _{CR1} (W)	Q _{CR2} (W)	Q _{CC} (W)	Q _{CC1} (W)	Q _{CC2} (W)	U _{Cexp} (W/m²·K)	V _{CC} (m/s)	Nu _{CC} (-)	
263	HCFC22	29.1	30.9	72.9	32.7	1253.0	12140.0	417.0	449.6	240.1	414.7	24270.0	4047.0	20230.0	26480.0	4415.0	22070.0	1739.0	0.25	36.6	
265		25.3	26.9	63.1	28.3	1119.0	12220.0	354.0	443.4	234.5	413.7	20540.0	2920.0	17620.0	23410.0	3327.0	20080.0	1898.0	0.25	35.6	
270		21.3	22.9	60.9	24.0	983.2	11710.0	303.0	443.4	229.0	412.4	18040.0	2602.0	15440.0	20540.0	2962.0	17580.0	1919.0	0.24	33.1	
272		21.3	23.1	61.2	24.5	995.9	12120.0	354.0	443.5	229.7	412.6	21020.0	3039.0	17980.0	24210.0	3500.0	20710.0	1855.0	0.25	34.0	
274		25.4	27.4	63.9	29.1	1130.0	12150.0	426.0	443.9	235.5	413.8	24660.0	3562.0	21090.0	27640.0	3993.0	23650.0	1780.0	0.25	35.5	
277		29.2	31.4	73.1	33.6	1277.0	12180.0	501.0	449.5	241.2	414.9	28990.0	4822.0	24170.0	30380.0	5053.0	25330.0	1634.0	0.25	36.8	
282		21.4	23.3	59.5	25.0	1007.0	11820.0	393.0	442.0	230.2	412.7	23110.0	3197.0	19920.0	26220.0	3627.0	22600.0	1794.0	0.25	33.4	
283		21.4	23.6	58.4	25.5	1020.0	11300.0	438.0	440.9	230.9	412.8	25550.0	3422.0	22130.0	28480.0	3815.0	24670.0	1715.0	0.23	32.3	
288		21.7	23.9	59.1	26.1	1045.0	11820.0	492.0	441.1	231.7	413.0	28630.0	3839.0	24790.0	30750.0	4123.0	26620.0	1678.0	0.25	33.6	
289		21.7	24.1	60.8	26.4	1056.0	11670.0	522.0	442.4	232.1	413.1	30490.0	4236.0	26260.0	32530.0	4518.0	28010.0	1641.0	0.24	33.2	
292		25.3	27.6	64.8	29.8	1154.0	12070.0	507.0	444.2	236.4	414.0	29270.0	4262.0	25010.0	31660.0	4611.0	27050.0	1658.0	0.25	35.3	
297		25.4	27.9	64.2	30.6	1179.0	12150.0	582.0	443.4	237.3	414.2	33310.0	4729.0	28590.0	35540.0	5044.0	30490.0	1616.0	0.25	35.6	
298		25.7	28.4	64.8	31.1	1191.0	11210.0	600.0	443.8	238.0	414.3	34290.0	4915.0	29370.0	35910.0	5148.0	30770.0	1576.0	0.23	33.5	
303		25.4	28.0	64.5	30.7	1179.0	12220.0	597.0	443.7	237.5	414.2	34190.0	4896.0	29290.0	36730.0	5260.0	31470.0	1622.0	0.25	35.7	
305		25.3	27.2	64.4	29.0	1129.0	12190.0	423.0	444.3	235.3	413.8	24550.0	3584.0	20970.0	27310.0	3986.0	23320.0	1760.0	0.25	35.5	
309		25.3	27.4	66.0	29.5	1142.0	12220.0	474.0	445.4	236.0	413.9	27580.0	4152.0	23420.0	30070.0	4528.0	25540.0	1697.0	0.25	35.6	
312		25.3	26.7	66.5	27.7	1093.0	12070.0	291.0	446.4	233.7	413.5	17200.0	2663.0	14530.0	19900.0	3082.0	16820.0	2086.0	0.25	35.2	
313		29.1	30.5	76.9	31.4	1203.0	12140.0	273.0	453.5	238.4	414.3	16310.0	2967.0	13340.0	19300.0	3511.0	15790.0	2114.0	0.25	36.5	
318		28.9	30.5	76.6	31.8	1216.0	12100.0	342.0	453.1	238.9	414.4	20350.0	3670.0	16680.0	22460.0	4052.0	18410.0	1898.0	0.25	36.4	
319		29.1	31.5	74.0	34.0	1289.0	12180.0	546.0	450.0	241.7	414.9	31600.0	5325.0	26270.0	33350.0	5620.0	27730.0	1608.0	0.25	36.8	
323		34.7	35.9	83.9	36.8	1386.0	12120.0	258.0	457.0	245.4	415.5	15170.0	2976.0	12190.0	17860.0	3504.0	14350.0	2085.0	0.25	38.1	
325		35.0	36.5	84.9	37.7	1423.0	12150.0	321.0	457.5	246.5	415.7	18810.0	3727.0	15080.0	21160.0	4191.0	16960.0	1901.0	0.25	38.3	
330		34.6	36.4	83.7	38.0	1435.0	12120.0	393.0	456.3	247.0	415.8	22850.0	4428.0	18420.0	25450.0	4930.0	20520.0	1781.0	0.25	38.2	
331		35.0	37.0	82.8	39.0	1473.0	12150.0	468.0	455.1	248.4	416.0	26880.0	5093.0	21790.0	29050.0	5504.0	23550.0	1667.0	0.25	38.4	
335		34.7	37.0	81.9	39.3	1484.0	12180.0	525.0	454.3	248.8	416.0	29980.0	5586.0	24390.0	32090.0	5980.0	26110.0	1628.0	0.25	38.5	
338		21.7	24.8	60.4	27.3	1081.0	9805.0	576.0	441.7	233.1	413.4	33370.0	4532.0	28840.0	35630.0	4840.0	30800.0	1585.0	0.20	29.0	
341		25.4	27.8	64.2	30.4	1179.0	12150.0	561.0	443.5	237.1	414.2	32150.0	4564.0	27590.0	34830.0	4944.0	29890.0	1640.0	0.25	35.6	
343		25.2	26.5	66.1	27.2	1069.0	12110.0	231.0	446.4	233.1	413.3	13690.0	2125.0	11560.0	17150.0	2662.0	14490.0	2237.0	0.25	35.2	
353		35.0	36.1	80.7	36.7	1387.0	12080.0	207.0	454.4	245.2	415.5	12030.0	2238.0	9791.0	15270.0	2842.0	12430.0	2367.0	0.25	38.1	
366		21.5	24.4	60.1	26.9	1069.0	10770.0	576.0	441.6	232.7	413.3	33420.0	4534.0	28890.0	36150.0	4904.0	31250.0	1640.0	0.22	31.2	
369		21.6	24.0	60.5	26.4	1045.0	11930.0	525.0	442.2	232.0	413.0	30660.0	4259.0	26400.0	33390.0	4638.0	28750.0	1686.0	0.25	33.8	
372		21.5	24.1	61.0	26.1	1045.0	10430.0	492.0	442.6	231.7	413.0	28820.0	4042.0	24780.0	31020.0	4349.0	26670.0	1660.0	0.22	30.4	
375		21.4	23.8	60.7	25.6	1032.0	10070.0	438.0	442.5	231.0	412.9	25740.0	3605.0	22140.0	28400.0	3978.0	24430.0	1733.0	0.21	29.5	
380		21.4	23.3	61.3	24.9	1007.0	11630.0	396.0	443.4	230.2	412.7	23450.0	3379.0	20070.0	26340.0	3795.0	22550.0	1819.0	0.24	33.0	
381		21.4	23.2	61.6	24.6	995.6	12080.0	366.0	443.7	229.8	412.6	21750.0	3169.0	18580.0	24410.0	3557.0	20860.0	1854.0	0.25	34.0	
384		21.4	22.9	62.6	24.0	982.9	12200.0	291.0	444.7	229.0	412.4	17440.0	2611.0	14820.0	20970.0	3141.0	17830.0	2012.0	0.25	34.2	
398		25.2	26.4	69.0	27.1	1069.0	12040.0	231.0	448.7	232.9	413.3	13850.0	2273.0	11570.0	16630.0	2731.0	13900.0	2322.0	0.25	35.1	
399		25.2	26.7	68.1	27.7	1081.0	12070.0	294.0	447.8	233.7	413.4	17490.0	2813.0	14670.0	20040.0	3224.0	16810.0	2027.0	0.25	35.2	
403		25.3	27.9	64.3	30.7	1179.0	12070.0	597.0	443.5	237.5	414.2	34170.0	4869.0	29300.0	37260.0	5310.0	31950.0	1631.0	0.25	35.4	
407		25.3	27.8	64.4	30.3	1168.0	12150.0	558.0	443.7	237.0	414.1	32030.0	4595.0	27440.0	34830.0	4996.0	29840.0	1639.0	0.25	35.5	
410		25.3	27.6	66.4	29.9	1155.0	12260.0	507.0	445.6	236.4	414.0	29450.0	4450.0	25000.0	32300.0	4880.0	27420.0	1691.0	0.25	35.8	
412		25.4	27.6	64.4	29.6	1143.0	12150.0	477.0	444.1	236.1	413.9	27550.0	3998.0	23550.0	30180.0	4380.0	25800.0	1723.0	0.25	35.5	
416		25.2	27.2	64.0	29.0	1130.0	12190.0	432.0	443.9	235.3	413.8	25030.0	3619.0	21410.0	27590.0	3989.0	23600.0	1760.0	0.25	35.5	
417		25.2	26.9	65.3	28.3	1106.0	12150.0	357.0	445.3	234.5	413.6	20900.0	3141.0	17760.0	23840.0	3582.0	20250.0	1891.0	0.25	35.4	
421		29.2	30.8	71.2	32.1	1228.0	12100.0	345.0	448.5	239.4	414.5	20040.0	3257.0	16790.0	22600.0	3673.0	18930.0	1876.0	0.25	36.5	
424		29.0	30.4	71.1	31.3	1204.0	12140.0	288.0	448.8	238.3	414.3	16830.0	2753.0	14080.0	19580.0	3202.0	16380.0	2099.0	0.25	36.5	

Condenser																		10/12	
Run No.	Refrigerant	Re _{CC} (-)	Pr _{CC} (-)	h _{CC} (W/(m ² ·K))	h _{CR} (W/(m ² ·K))	q _{CC} (W/m ²)	T _{CRm} (°C)	T _{WCR} (°C)	ΔT _{satC} (°C)	ΔT _{mC2} (°C)	Nu _i (-)	H (-)	Pr _L (-)	Gr _i ×10 ⁻¹² (-)	Bo ⁺ (-)	Bo×10 ⁻⁵ (-)	U _{CCal} (W/m ² ·K)	ΔP _{CC} (m)	λ _{CC} (-)
263	HCFC22	1571.0	5.4	4518.0	3051.0	4806.0	32.7	31.1	1.6	2.8	18.9	0.012	2.45	47.2	8.65	3.12	1855.0		
265		1460.0	5.9	4350.0	3687.0	4248.0	28.3	27.1	1.2	2.2	20.8	0.009	2.47	48.3	7.90	3.11	1913.0		
270		1277.0	6.6	4006.0	4069.0	3728.0	24.0	23.1	1.0	1.9	21.9	0.007	2.50	45.0	7.47	2.92	1916.0		
272		1325.0	6.6	4123.0	3694.0	4394.0	24.5	23.3	1.3	2.4	20.6	0.009	2.49	45.3	7.51	2.93	1883.0		
274		1459.0	5.9	4343.0	3270.0	5017.0	29.1	27.6	1.6	2.8	19.3	0.012	2.47	48.5	7.99	3.12	1840.0		
277		1584.0	5.4	4543.0	2731.0	5513.0	33.6	31.5	2.1	3.4	17.8	0.016	2.45	47.9	8.73	3.15	1793.0		
282		1297.0	6.5	4049.0	3514.0	4759.0	25.0	23.6	1.4	2.7	20.0	0.010	2.49	46.6	7.49	2.98	1832.0		
283		1245.0	6.5	3915.0	3315.0	5169.0	25.5	23.9	1.7	3.0	19.4	0.011	2.49	47.7	7.49	3.03	1768.0		
288		1311.0	6.4	4073.0	3079.0	5580.0	26.1	24.2	1.9	3.3	18.7	0.013	2.49	48.1	7.54	3.05	1764.0		
289		1296.0	6.4	4034.0	2978.0	5903.0	26.4	24.4	2.1	3.6	18.3	0.015	2.48	47.5	7.60	3.02	1738.0		
292		1452.0	5.9	4324.0	2890.0	5746.0	29.8	27.8	2.1	3.5	18.2	0.015	2.47	48.8	8.05	3.13	1773.0		
297		1468.0	5.9	4357.0	2750.0	6449.0	30.6	28.2	2.4	4.0	17.5	0.018	2.46	50.0	8.08	3.18	1733.0		
298		1365.0	5.8	4103.0	2740.0	6518.0	31.1	28.6	2.5	4.1	17.4	0.018	2.46	50.1	8.15	3.19	1685.0		
303		1477.0	5.8	4378.0	2759.0	6666.0	30.7	28.2	2.5	4.1	17.3	0.018	2.46	49.9	8.10	3.18	1729.0		
305		1459.0	5.9	4347.0	3202.0	4956.0	29.0	27.4	1.6	2.8	19.3	0.012	2.47	48.1	7.98	3.10	1841.0		
309		1467.0	5.9	4362.0	2992.0	5457.0	29.5	27.6	1.9	3.2	18.5	0.014	2.47	47.7	8.07	3.08	1804.0		
312		1438.0	5.9	4302.0	4522.0	3611.0	27.7	26.9	0.9	1.7	22.4	0.006	2.48	45.7	7.97	3.00	1997.0		
313		1565.0	5.4	4509.0	4434.0	3502.0	31.4	30.6	0.9	1.7	22.1	0.006	2.46	43.8	8.71	2.97	2036.0		
318		1556.0	5.5	4492.0	3592.0	4077.0	31.8	30.6	1.2	2.1	20.3	0.009	2.46	44.3	8.71	2.99	1943.0		
319		1585.0	5.4	4545.0	2659.0	6052.0	34.0	31.6	2.4	3.8	17.3	0.018	2.45	47.8	8.79	3.15	1762.0		
323		1734.0	4.8	4767.0	4099.0	3241.0	36.8	36.0	0.8	1.6	21.8	0.007	2.44	44.9	9.66	3.13	2059.0		
325		1753.0	4.8	4799.0	3428.0	3839.0	37.7	36.5	1.2	2.0	20.0	0.009	2.43	45.2	9.79	3.15	1971.0		
330		1741.0	4.8	4777.0	3066.0	4618.0	38.0	36.5	1.6	2.6	18.7	0.012	2.43	46.1	9.76	3.19	1887.0		
331		1761.0	4.8	4811.0	2732.0	5272.0	39.0	37.1	2.0	3.2	17.6	0.016	2.43	47.6	9.83	3.26	1819.0		
335		1762.0	4.8	4816.0	2626.0	5824.0	39.3	37.1	2.3	3.6	17.1	0.018	2.43	48.4	9.82	3.30	1780.0		
338		1098.0	6.4	3525.0	3113.0	6467.0	27.3	25.1	2.2	4.1	18.0	0.016	2.48	48.6	7.66	3.08	1617.0		
341		1466.0	5.9	4354.0	2824.0	6321.0	30.4	28.1	2.3	3.9	17.7	0.017	2.46	49.8	8.06	3.17	1745.0		
343		1438.0	6.0	4306.0	5291.0	3113.0	27.2	26.6	0.7	1.4	24.1	0.005	2.48	45.4	7.94	2.98	2070.0		
353		1736.0	4.8	4765.0	5355.0	2772.0	36.7	36.1	0.6	1.2	24.2	0.004	2.44	46.5	9.55	3.21	2156.0		
366		1200.0	6.4	3789.0	3123.0	6561.0	26.9	24.7	2.2	4.0	18.0	0.016	2.48	48.4	7.62	3.07	1672.0		
369		1324.0	6.4	4103.0	3092.0	6059.0	26.4	24.3	2.1	3.6	18.3	0.014	2.48	47.5	7.60	3.02	1753.0		
372		1157.0	6.5	3684.0	3277.0	5629.0	26.1	24.3	1.8	3.4	18.8	0.013	2.49	47.1	7.60	3.01	1698.0		
375		1112.0	6.5	3572.0	3688.0	5155.0	25.6	24.1	1.5	3.0	19.7	0.011	2.49	46.7	7.56	3.00	1715.0		
380		1276.0	6.5	3997.0	3655.0	4781.0	24.9	23.6	1.4	2.6	20.1	0.010	2.49	45.6	7.54	2.94	1831.0		
381		1323.0	6.5	4117.0	3694.0	4431.0	24.6	23.4	1.3	2.4	20.6	0.009	2.49	45.2	7.53	2.92	1879.0		
384		1332.0	6.6	4142.0	4352.0	3806.0	24.0	23.1	0.9	1.9	22.1	0.006	2.50	44.1	7.52	2.88	1960.0		
398		1429.0	6.0	4284.0	5837.0	3019.0	27.1	26.5	0.6	1.3	24.7	0.004	2.48	43.8	8.01	2.92	2098.0		
399		1437.0	6.0	4299.0	4259.0	3637.0	27.7	26.8	0.9	1.8	22.0	0.006	2.48	44.8	8.03	2.96	1985.0		
403		1457.0	5.9	4331.0	2807.0	6763.0	30.7	28.2	2.5	4.1	17.3	0.018	2.46	50.0	8.09	3.18	1722.0		
407		1465.0	5.9	4352.0	2822.0	6322.0	30.3	28.0	2.3	3.9	17.6	0.017	2.46	49.6	8.07	3.16	1745.0		
410		1476.0	5.9	4379.0	2964.0	5862.0	29.9	27.8	2.1	3.5	18.1	0.015	2.47	47.9	8.11	3.09	1786.0		
412		1463.0	5.9	4349.0	3082.0	5477.0	29.6	27.8	1.9	3.2	18.7	0.013	2.47	48.7	8.03	3.13	1804.0		
416		1459.0	5.9	4346.0	3203.0	5008.0	29.0	27.4	1.6	2.8	19.3	0.012	2.47	48.4	7.97	3.11	1838.0		
417		1450.0	5.9	4329.0	3678.0	4326.0	28.3	27.1	1.3	2.3	20.5	0.009	2.47	46.9	7.97	3.05	1908.0		
421		1566.0	5.4	4507.0	3503.0	4102.0	32.1	31.0	1.2	2.2	20.4	0.009	2.46	47.5	8.57	3.14	1926.0		
424		1561.0	5.5	4503.0	4378.0	3554.0	31.3	30.5	0.9	1.7	22.2	0.006	2.46	46.8	8.50	3.10	2018.0		

Condenser																			11/12	
Run No.	Refrigerant	T _{CI} (°C)	T _{CO} (°C)	T _{CR1} (°C)	T _{CRO} (°C)	P _{CR1} (kPa)	m _{CC} (kg/h)	m _R (kg/h)	h _{CR1} (kJ/kg)	h _{CRO} (kJ/kg)	h _{CRD} (kJ/kg)	Q _{CR} (W)	Q _{CR1} (W)	Q _{CR2} (W)	Q _{CC} (W)	Q _{CC1} (W)	Q _{CC2} (W)	U _{Cexp} (W/m ² ·K)	V _{CC} (m/s)	Nu _{CC} (-)
427	HCFC22	29.1	30.3	70.9	30.9	1192.0	12140.0	222.0	448.7	237.8	414.3	13010.0	2123.0	10880.0	16340.0	2668.0	13670.0	2387.0	0.25	36.5
432		29.1	31.6	68.6	34.2	1302.0	12290.0	576.0	445.4	242.1	415.0	32540.0	4868.0	27670.0	35930.0	5375.0	30550.0	1633.0	0.26	37.0
436		29.2	31.6	68.9	34.0	1290.0	12250.0	543.0	445.8	241.8	414.9	30780.0	4656.0	26120.0	34100.0	5160.0	28950.0	1660.0	0.25	37.0
439		29.3	31.5	69.4	33.7	1278.0	12180.0	501.0	446.4	241.4	414.9	28530.0	4393.0	24140.0	31230.0	4807.0	26420.0	1677.0	0.25	36.8
443		29.1	31.1	69.8	32.8	1253.0	12140.0	417.0	447.1	240.2	414.7	23960.0	3752.0	20210.0	27460.0	4300.0	23160.0	1802.0	0.25	36.6
445		34.9	36.7	84.1	38.4	1449.0	12070.0	396.0	456.5	247.5	415.9	22990.0	4473.0	18520.0	25360.0	4933.0	20430.0	1740.0	0.25	38.2
449		35.0	36.6	85.5	37.8	1425.0	12150.0	327.0	457.9	246.7	415.7	19190.0	3835.0	15350.0	21580.0	4313.0	17260.0	1866.0	0.25	38.4
451		34.9	36.2	85.3	37.0	1400.0	12080.0	267.0	458.1	245.7	415.6	15750.0	3151.0	12600.0	17800.0	3560.0	14230.0	2047.0	0.25	38.1
459		34.9	37.0	82.8	39.0	1474.0	12110.0	474.0	455.2	248.4	416.0	27230.0	5163.0	22070.0	29380.0	5570.0	23810.0	1672.0	0.25	38.3
463		34.7	37.0	74.6	39.4	1485.0	12110.0	531.0	448.1	248.8	416.0	29390.0	4730.0	24660.0	31910.0	5134.0	26770.0	1611.0	0.25	38.3

Condenser																		12/12	
Run No.	Refrigerant	Re _{CC} (-)	Pr _{CC} (-)	h _{CC} (W/(m ² ·K))	h _{CR} (W/(m ² ·K))	q _{CC} (W/m ²)	T _{CRm} (°C)	T _{WCR} (°C)	ΔT _{satC} (°C)	ΔT _{mC2} (°C)	Nu _l (-)	H (-)	Pr _L (-)	Gr _l ×10 ⁻¹² (-)	Bo [*] (-)	Bo×10 ⁻⁵ (-)	U _{Ccal} (W/m ² ·K)	ΔP _{CC} (m)	λ _{CC} (-)
427	HCFC22	1562.0	5.4	4504.0	5847.0	2966.0	30.9	30.4	0.6	1.2	24.7	0.004	2.46	46.5	8.47	3.09	2129.0		
432		1600.0	5.4	4578.0	2716.0	6520.0	34.2	31.8	2.5	4.0	17.2	0.019	2.45	51.3	8.61	3.30	1742.0		
436		1596.0	5.4	4568.0	2795.0	6190.0	34.0	31.7	2.3	3.7	17.6	0.017	2.45	50.8	8.62	3.28	1762.0		
439		1588.0	5.4	4549.0	2852.0	5667.0	33.7	31.7	2.1	3.4	18.0	0.016	2.45	50.1	8.62	3.25	1789.0		
443		1574.0	5.4	4523.0	3245.0	4985.0	32.8	31.2	1.6	2.8	19.1	0.012	2.45	49.0	8.57	3.20	1855.0		
445		1745.0	4.8	4779.0	2946.0	4602.0	38.4	36.8	1.6	2.6	18.5	0.013	2.43	46.3	9.82	3.20	1876.0		
449		1755.0	4.8	4802.0	3313.0	3916.0	37.8	36.6	1.2	2.1	19.7	0.010	2.43	45.0	9.83	3.14	1958.0		
451		1736.0	4.8	4765.0	3954.0	3230.0	37.0	36.2	0.9	1.6	21.6	0.007	2.44	44.4	9.75	3.11	2051.0		
459		1755.0	4.8	4798.0	2749.0	5332.0	39.0	37.1	2.0	3.2	17.6	0.016	2.43	47.6	9.84	3.26	1815.0		
463		1752.0	4.8	4794.0	2589.0	5791.0	39.4	37.1	2.3	3.6	17.3	0.019	2.43	53.1	9.53	3.51	1760.0		