

Jiangsu Greenland GBH-TS R0

Condition Reference #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Wet Bulb °C	10	10	10	10	10	13	13	13	13	13	16	16	16	16	16	18	18	18	18	18	21	21	21	21	21
Range °C	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8
Approach °C	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7
Inlet Water Temperature °C	20	22	23	22	25	23	25	26	25	28	26	28	29	28	31	28	30	31	30	33	31	33	34	33	36
Outlet Water Temperature °C	14	16	17	14	17	17	19	20	17	20	20	22	23	20	23	22	24	25	22	25	25	27	28	25	28
GBH-2346TS in m3/h	21.3	30.0	34.7	18.0	28.6	24.3	34.3	39.6	20.6	32.7	27.9	39.4	45.6	23.7	37.7	30.7	43.4	50.1	26.0	41.5	35.5	50.2	58.0	30.2	48.1
GBH-2348TS in m3/h	26.3	37.0	42.7	22.2	35.2	30.0	42.2	48.8	25.3	40.3	34.4	48.5	56.1	29.1	46.4	37.8	53.4	61.7	32.1	51.1	43.8	61.8	71.4	37.1	59.2
GBH-2654TS in m3/h	32.8	46.2	53.3	27.7	43.9	37.4	52.8	61.0	31.6	50.3	43.0	60.6	70.1	36.4	57.9	47.2	66.7	77.1	40.0	63.8	54.7	77.2	89.2	46.4	74.0
GBH-2657TS in m3/h	41.0	57.7	66.7	34.6	54.9	46.8	66.0	76.2	39.6	62.9	53.7	75.8	87.6	45.5	72.4	59.1	83.4	96.3	50.1	79.8	68.3	96.5	111.6	58.0	92.5
GBH-3161TS in m3/h	49.2	69.3	80.0	41.5	65.9	56.1	79.2	91.5	47.5	75.5	64.5	90.9	105.1	54.6	86.9	70.9	100.0	115.6	60.1	95.7	82.0	115.8	133.9	69.6	111.0
GBH-3165TS in m3/h	57.4	80.8	93.3	48.4	76.9	65.5	92.4	106.7	55.4	88.1	75.2	106.1	122.6	63.7	101.4	82.7	116.7	134.9	70.1	111.7	95.7	135.1	156.2	81.2	129.5
GBH-3370TS in m3/h	65.6	92.4	106.6	55.4	87.8	74.9	105.6	121.9	63.3	100.6	85.9	121.3	140.1	72.8	115.9	94.5	133.4	154.2	80.1	127.6	109.3	154.4	178.5	92.8	148.0
GBH-3376TS in m3/h	73.8	103.9	120.0	62.3	98.8	84.2	118.8	137.2	71.2	113.2	96.7	136.4	157.7	81.9	130.3	106.3	150.0	173.4	90.1	143.6	123.0	173.7	200.8	104.4	166.5
GBH-3683TS in m3/h	82.0	115.5	133.3	69.2	109.8	93.6	132.0	152.4	79.1	125.8	107.4	151.6	175.2	91.0	144.8	118.1	166.7	192.7	100.1	159.5	136.7	193.0	223.1	116.0	185.0

Condition Reference #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Wet Bulb °C	10	10	10	10	10	13	13	13	13	13	16	16	16	16	16	18	18	18	18	18	21	21	21	21	21
Range °C	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8
Approach °C	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7
Inlet Water Temperature °C	20	22	23	22	25	23	25	26	25	28	26	28	29	28	31	28	30	31	30	33	31	33	34	33	36
Outlet Water Temperature °C	14	16	17	14	17	17	19	20	17	20	20	22	23	20	23	22	24	25	22	25	25	27	28	25	28
GBH-2346TS in l/s	5.9	8.3	9.6	5.0	7.9	6.8	9.5	11.0	5.7	9.1	7.8	11.0	12.7	6.6	10.5	8.5	12.0	13.9	7.2	11.5	9.9	13.9	16.1	8.4	13.4
GBH-2348TS in l/s	7.3	10.3	11.9	6.2	9.8	8.3	11.7	13.6	7.0	11.2	9.6	13.5	15.6	8.1	12.9	10.5	14.8	17.1	8.9	14.2	12.2	17.2	19.8	10.3	16.5
GBH-2654TS in l/s	9.1	12.8	14.8	7.7	12.2	10.4	14.7	16.9	8.8	14.0	11.9	16.8	19.5	10.1	16.1	13.1	18.5	21.4	11.1	17.7	15.2	21.4	24.8	12.9	20.6
GBH-2657TS in l/s	11.4	16.0	18.5	9.6	15.3	13.0	18.3	21.2	11.0	17.5	14.9	21.1	24.3	12.6	20.1	16.4	23.2	26.8	13.9	22.2	19.0	26.8	31.0	16.1	25.7
GBH-3161TS in l/s	13.7	19.2	22.2	11.5	18.3	15.6	22.0	25.4	13.2	21.0	17.9	25.3	29.2	15.2	24.1	19.7	27.8	32.1	16.7	26.6	22.8	32.2	37.2	19.3	30.8
GBH-3165TS in l/s	15.9	22.5	25.9	13.5	21.4	18.2	25.7	29.6	15.4	24.5	20.9	29.5	34.1	17.7	28.2	23.0	32.4	37.5	19.5	31.0	26.6	37.5	43.4	22.6	36.0
GBH-3370TS in l/s	18.2	25.7	29.6	15.4	24.4	20.8	29.3	33.9	17.6	28.0	23.9	33.7	38.9	20.2	32.2	26.2	37.0	42.8	22.2	35.4	30.4	42.9	49.6	25.8	41.1
GBH-3376TS in l/s	20.5	28.9	33.3	17.3	27.5	23.4	33.0	38.1	19.8	31.4	26.9	37.9	43.8	22.7	36.2	29.5	41.7	48.2	25.0	39.9	34.2	48.2	55.8	29.0	46.3
GBH-3683TS in l/s	22.8	32.1	37.0	19.2	30.5	26.0	36.7	42.3	22.0	34.9	29.8	42.1	48.7	25.3	40.2	32.8	46.3	53.5	27.8	44.3	38.0	53.6	62.0	32.2	51.4

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Condition Reference #	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
Wet Bulb °C	24	24	24	24	24	27	27	27	27	27	29	29	29	29	29	32.2	32.2	32.2	32.2	32.2	21	25.56	27	28
Range °C	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	5	5.56	5	5
Approach °C	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	6	3.89	5	4
Inlet Water Temperature °C	34	36	37	36	39	37	39	40	39	42	39	41	42	41	44	42.2	44.2	45.2	44.2	47.2	32	35.00	37	37
Outlet Water Temperature °C	28	30	31	28	31	31	33	34	31	34	33	35	36	33	36	36.2	38.2	39.2	36.2	39.2	27	29.44	32	32
GBH-2346TS in m3/h	41.3	58.3	67.4	35.1	56.0	48.2	68.0	78.7	41.0	65.5	53.5	75.5	87.3	45.6	72.8	63.4	89.5	103.5	54.1	86.4	56.9	45.7	65.1	56.7
GBH-2348TS in m3/h	50.8	71.8	83.0	43.2	69.0	59.3	83.7	96.8	50.5	80.6	65.8	92.9	107.5	56.1	89.6	78.0	110.2	127.5	66.6	106.4	70.0	56.2	80.1	69.8
GBH-2654TS in m3/h	63.5	89.7	103.7	54.0	86.2	74.1	104.6	121.0	63.1	100.7	82.2	116.1	134.3	70.1	111.9	97.5	137.6	159.2	83.2	132.9	87.5	70.3	100.1	87.2
GBH-2657TS in m3/h	79.4	112.1	129.7	67.5	107.7	92.6	130.7	151.2	78.8	125.9	102.8	145.1	167.9	87.6	139.9	121.8	172.0	199.0	104.0	166.2	109.3	87.8	125.1	109.0
GBH-3161TS in m3/h	95.3	134.5	155.6	81.0	129.3	111.1	156.9	181.5	94.6	151.0	123.3	174.2	201.5	105.1	167.9	146.2	206.4	238.8	124.8	199.4	131.2	105.4	150.2	130.8
GBH-3165TS in m3/h	111.1	157.0	181.5	94.5	150.8	129.6	183.0	211.7	110.4	176.2	143.9	203.2	235.0	122.6	195.8	170.5	240.8	278.6	145.6	232.6	153.0	123.0	175.2	152.6
GBH-3370TS in m3/h	127.0	179.4	207.5	108.0	172.3	148.1	209.2	242.0	126.1	201.4	164.4	232.2	268.6	140.2	223.8	194.9	275.3	318.4	166.5	265.9	174.9	140.5	200.2	174.4
GBH-3376TS in m3/h	142.9	201.8	233.4	121.5	193.9	166.6	235.3	272.2	141.9	226.5	185.0	261.2	302.2	157.7	251.8	219.3	309.7	358.3	187.3	299.1	196.8	158.1	225.3	196.2
GBH-3683TS in m3/h	158.8	224.2	259.3	135.0	215.4	185.1	261.5	302.5	157.7	251.7	205.5	290.3	335.8	175.2	279.8	243.6	344.1	398.1	208.1	332.4	218.6	175.7	250.3	218.0

Condition Reference #	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
Wet Bulb °C	24	24	24	24	24	27	27	27	27	27	29	29	29	29	29	32.2	32.2	32.2	32.2	32.2	21	25.56	27	28
Range °C	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	5	5.56	5	5
Approach °C	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	6	3.89	5	4
Inlet Water Temperature °C	34	36	37	36	39	37	39	40	39	42	39	41	42	41	44	42.2	44.2	45.2	44.2	47.2	32	35.00	37	37
Outlet Water Temperature °C	28	30	31	28	31	31	33	34	31	34	33	35	36	33	36	36.2	38.2	39.2	36.2	39.2	27	29.44	32	32
GBH-2346TS in l/s	11.5	16.2	18.7	9.8	15.6	13.4	18.9	21.9	11.4	18.2	14.8	21.0	24.3	12.7	20.2	17.6	24.9	28.8	15.0	24.0	15.8	12.7	18.1	15.8
GBH-2348TS in l/s	14.1	19.9	23.1	12.0	19.2	16.5	23.3	26.9	14.0	22.4	18.3	25.8	29.9	15.6	24.9	21.7	30.6	35.4	18.5	29.6	19.4	15.6	22.3	19.4
GBH-2654TS in l/s	17.6	24.9	28.8	15.0	23.9	20.6	29.1	33.6	17.5	28.0	22.8	32.3	37.3	19.5	31.1	27.1	38.2	44.2	23.1	36.9	24.3	19.5	27.8	24.2
GBH-2657TS in l/s	22.0	31.1	36.0	18.7	29.9	25.7	36.3	42.0	21.9	35.0	28.5	40.3	46.6	24.3	38.9	33.8	47.8	55.3	28.9	46.2	30.4	24.4	34.8	30.3
GBH-3161TS in l/s	26.5	37.4	43.2	22.5	35.9	30.9	43.6	50.4	26.3	42.0	34.3	48.4	56.0	29.2	46.6	40.6	57.3	66.3	34.7	55.4	36.4	29.3	41.7	36.3
GBH-3165TS in l/s	30.9	43.6	50.4	26.2	41.9	36.0	50.8	58.8	30.7	48.9	40.0	56.4	65.3	34.1	54.4	47.4	66.9	77.4	40.5	64.6	42.5	34.2	48.7	42.4
GBH-3370TS in l/s	35.3	49.8	57.6	30.0	47.9	41.1	58.1	67.2	35.0	55.9	45.7	64.5	74.6	38.9	62.2	54.1	76.5	88.5	46.2	73.9	48.6	39.0	55.6	48.4
GBH-3376TS in l/s	39.7	56.1	64.8	33.7	53.9	46.3	65.4	75.6	39.4	62.9	51.4	72.6	83.9	43.8	69.9	60.9	86.0	99.5	52.0	83.1	54.7	43.9	62.6	54.5
GBH-3683TS in l/s	44.1	62.3	72.0	37.5	59.8	51.4	72.6	84.0	43.8	69.9	57.1	80.6	93.3	48.7	77.7	67.7	95.6	110.6	57.8	92.3	60.7	48.8	69.5	60.6

Table 6b. Closed Circuit Coolers(CC) pressure drop, SI Units(Pa)

Product model number	First Flow			Second Flow			Third Flow			Min.flow rate	Max.flow rate
	l/s	Pa	Std.coil conn. Size × Quantity	l/s	Pa	Std.coil conn. Size × Quantity	l/s	Pa	Std.coil conn. Size × Quantity		
GBH-2346TS	31.86	58×10 ³	(100mm)×2	25.49	52×10 ³	(100mm)×2	38.23	66×10 ³	(100mm)×2	8.61	55.11
GBH-2348TS	33.92	60×10 ³	(100mm)×2	27.14	50×10 ³	(100mm)×2	40.70	65×10 ³	(100mm)×2	9.17	58.67
GBH-2654TS	40.08	55×10 ³	(100mm)×2	32.06	51×10 ³	(100mm)×2	48.10	68×10 ³	(100mm)×2	10.83	69.33
GBH-2657TS	46.25	52×10 ³	(125mm)×2	37.00	48×10 ³	(125mm)×2	55.50	56×10 ³	(125mm)×2	12.50	80.00
GBH-3161TS	44.19	57×10 ³	(125mm)×2	35.35	54×10 ³	(125mm)×2	53.03	65×10 ³	(125mm)×2	11.94	76.44
GBH-3165TS	48.31	58×10 ³	(125mm)×2	38.65	50×10 ³	(125mm)×2	57.97	63×10 ³	(125mm)×2	13.06	83.56
GBH-3370TS	54.47	57×10 ³	(150mm)×2	43.58	48×10 ³	(150mm)×2	65.36	66×10 ³	(150mm)×2	14.72	94.22
GBH-3376TS	66.81	58×10 ³	(150mm)×2	53.45	54×10 ³	(150mm)×2	80.17	67×10 ³	(150mm)×2	18.06	115.56
GBH-3683TS	65.78	45×10 ³	(150mm)×2	52.62	38×10 ³	(150mm)×2	78.94	55×10 ³	(150mm)×2	17.78	113.78