Data can be published in either IP units, SI units or both per the manufacturer's preference within the certified data range of the product. If the product is not certified at a listed design condition or if the flow data point is not applicable to the unit, enter "NC" (for Not Certified) into the cell.

NEWIN
All About Cooling Tower

C122A Newin NST Selection 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	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	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	24	24	24	24	24	27	27	27	27	27	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	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	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	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	6	3.89	5	4	
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	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	37	37	
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	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	
Model	Flow rate (l/s)																																																	
NST-18-A15-2A11-C1	6.8	9.8	11.4	5.7	9.3	7.9	11.3	13.1	6.6	10.7	9.1	13.1	15.2	7.6	12.4	10.0	14.5	16.8	8.4	13.8	11.7	16.8	19.6	9.8	16.1	13.7	19.7	22.9	11.5	18.9	16.1	23.1	26.9	13.6	22.2	18.0	25.8	30.0	15.2	24.8	21.5	30.8	35.8	18.2	29.7	19.2	15.3	22.1		19.2
NST-18-B15-2A11-C1	7.6	10.9	12.7	6.3	10.3	8.7	12.5	14.6	7.3	11.9	10.1	14.5	16.9	8.4	13.8	11.2	16.1	18.7	9.4	15.3	13.0	18.7	21.8	10.9	17.9	15.2	21.9	25.5	12.8	21.0	17.9	25.7	29.9	15.1	24.7	20.0	28.6	33.3	16.9	27.6	23.8	34.2	39.8	20.2	33.0	21.3	17.0	24.5		21.3
NST-20-B15-2A12-C1	8.5	12.3	14.3	7.1	11.6	9.8	14.1	16.4	8.2	13.4	11.4	16.4	19.0	9.5	15.6	12.5	18.1	21.0	10.5	17.2	14.6	21.0	24.5	12.3	20.1	17.1	24.6	28.6	14.4	23.6	20.1	28.9	33.6	17.0	27.8	22.4	32.2	37.5	19.0	31.0	26.8	38.5	44.8	22.7	37.1	24.0	19.1	27.6		24.0
NST-20-C15-2A12-C1	9.5	13.7	15.9	7.9	12.9	10.9	15.7	18.3	9.1	14.9	12.6	18.2	21.1	10.6	17.3	13.9	20.1	23.3	11.7	19.1	16.2	23.4	27.2	13.7	22.4	19.0	27.3	31.8	16.0	26.2	22.4	32.1	37.4	18.9	30.8	24.9	35.8	41.7	21.1	34.5	29.8	42.7	49.7	25.2	41.2	26.6	21.2	30.7		26.7
NST-20-D15-2A12-C1	10.4	15.0	17.5	8.7	14.2	12.0	17.2	20.1	10.0	16.4	13.9	20.0	23.3	11.6	19.0	15.3	22.1	25.7	12.9	21.0	17.9	25.7	29.9	15.0	24.6	20.9	30.1	35.0	17.6	28.8	24.6	35.3	41.1	20.7	33.9	27.4	39.4	45.8	23.2	37.9	32.8	47.0	54.7	27.8	45.3	29.3	23.3	33.8		29.3
NST-26-D18-3A14-C1	12.8	18.4	21.4	10.7	17.4	14.7	21.2	24.6	12.3	20.1	17.0	24.5	28.5	14.3	23.3	18.8	27.1	31.5	15.8	25.8	21.9	31.6	36.7	18.4	30.2	25.7	36.9	43.0	21.6	35.4	30.2	43.3	50.4	25.5	41.6	33.7	48.3	56.2	28.4	46.5	40.2	57.7	67.2	34.1	55.7	36.0	28.6	41.4		36.0
NST-26-E18-3A14-C1	14.2	20.5	23.8	11.9	19.4	16.4	23.5	27.4	13.7	22.4	18.9	27.3	31.7	15.8	25.9	20.9	30.1	35.0	17.5	28.7	24.4	35.1	40.8	20.5	33.5	28.5	41.0	47.7	24.0	39.3	33.5	48.2	56.1	28.3	46.3	37.4	53.7	62.5	31.6	51.7	44.7	64.1	74.6	37.9	61.8	40.0	31.8	46.0		40.0
NST-26-F18-3A14-C1	15.7	22.5	26.2	13.1	21.3	18.0	25.9	30.1	15.0	24.6	20.8	30.0	34.9	17.4	28.5	23.0	33.1	38.5	19.3	31.6	26.8	38.6	44.9	22.5	36.9	31.4	45.1	52.5	26.4	43.3	36.9	53.0	61.7	31.1	50.9	41.2	59.1	68.7	34.8	56.8	49.2	70.5	82.1	41.7	68.0	44.0	35.0	50.6		44.0
NST-30-D21-3A16-C1	16.6	23.9	27.8	13.8	22.6	19.1	27.4	32.0	16.0	26.1	22.1	31.8	37.0	18.5	30.2	24.4	35.1	40.8	20.5	33.5	28.4	40.9	47.6	23.9	39.1	33.3	47.8	55.7	28.0	45.9	39.1	56.2	65.4	33.0	54.0	43.6	62.7	72.9	36.9	60.3	52.1	74.8	87.0	44.2	72.1	46.6	37.1	53.7		46.7
NST-30-E21-3A16-C1	19.0	27.3	31.8	15.8	25.8	21.8	31.4	36.5	18.2	29.8	25.2	36.3	42.3	21.1	34.6	27.9	40.1	46.7	23.4	38.3	32.5	46.8	54.4	27.3	44.7	38.0	54.7	63.6	32.0	52.4	44.7	64.2	74.7	37.7	61.7	49.9	71.6	83.3	42.1	68.9	59.6	85.5	99.5	50.5	82.5	53.3	42.4	61.4		53.3
NST-30-F21-3A16-C1	20.9	30.0	34.9	17.4	28.4	24.0	34.5	40.2	20.1	32.8	27.8	40.0	46.5	23.2	38.0	30.7	44.2	51.4	25.7	42.1	35.7	51.4	59.8	30.0	49.2	41.8	60.2	70.0	35.2	57.7	49.2	70.6	82.2	41.5	67.9	54.9	78.8	91.6	46.3	75.8	65.6	94.0	109.4	55.5	90.7	58.6	46.7	67.5		58.7
NST-33-E24-3A17-C1	21.4	30.7	35.7	17.8	29.1	24.6	35.3	41.1	20.5	33.6	28.4	40.9	47.6	23.8	38.9	31.4	45.2	52.5	26.3	43.0	36.6	52.6	61.2	30.7	50.3	42.8	61.5	71.6	36.0	59.0	50.3	72.2	84.1	42.4	69.4	56.1	80.6	93.7	47.4	77.5	67.0	96.2	111.9	56.8	92.8	60.0	47.7	69.0		60.0
NST-33-F24-3A17-C1	23.7	34.1	39.7	19.8	32.3	27.3	39.2	45.6	22.8	37.3	31.6	45.4	52.8	26.4	43.2	34.8	50.2	58.4	29.2	47.8	40.6	58.4	68.0	34.1	55.9	47.6	68.4	79.6	40.0	65.6	55.9	80.3	93.4	47.2	77.1	62.4	89.5	104.1	52.7	86.1	74.5	106.8	124.4	63.1	103.1	66.6	53.0	76.7		66.7
NST-33-G24-3A17-C1	27.3	39.3	45.6	22.7	37.2	31.4	45.1	52.5	26.2	42.9	36.3	52.2	60.8	30.4	49.7	40.1	57.7	67.1	33.6	55.0	46.7	67.2	78.2	39.3	64.3	54.7	78.6	91.5	46.1	75.4	64.3	92.3	107.4	54.2	88.7	71.7	102.9	119.8	60.6	99.1	85.7	122.9	143.0	72.6	118.5	76.6	61.0	88.2		76.7
NST-33-F24-4A17-C1	25.6	36.9	42.9	21.4	34.9	29.5	42.3	49.3	24.6	40.3	34.1	49.1	57.1	28.5	46.7	37.6	54.2	63.0	31.6	51.6	43.9	63.1	73.4	36.9	60.4	51.4	73.8	85.9	43.2	70.8	60.4	86.7	100.9	50.9	83.3	67.3	96.7	112.5	56.9	93.0	80.4	115.4	134.3	68.2	111.3	72.0	57.3	82.8		72.0
NST-33-G24-4A17-C1	28.5	41.0	47.6	23.7	38.8	32.7	47.0	54.8	27.4	44.7	37.9	54.5	63.4	31.7	51.8	41.8	60.2	70.0	35.1	57.4	48.7	70.1	81.6	41.0	67.1	57.1	82.0	95.5	48.1	78.7	67.1	96.3	112.1	56.6	92.5	74.8	107.4	125.0	63.2	103.4	89.4	128.2	149.2	75.7	123.7	79.9	63.6	92.1		80.0
NST-33-H24-4A17-C1	31.3	45.1	52.4	26.1	42.7	36.0	51.7	60.3	30.1	49.2	41.7	60.0	69.8	34.8	57.0	46.0	66.2	77.0	38.6	63.1	53.6	77.1	89.8	45.1	73.8	62.8	90.2	105.0	52.9	86.5	73.8	106.0	123.3	62.2	101.8	82.3	118.2	137.5	69.5	113.7	98.3	141.0	164.1	83.3	136.0	87.9	70.0	101.3		88.0
NST-35-F26-4A17-C1	28.2	40.6	47.2	23.5	38.5	32.5	46.6	54.3	27.1	44.4	37.6	54.1	62.9	31.4	51.4	41.5	59.7	69.4	34.8	56.9	48.3	69.5	80.9	40.6	66.5	56.6	81.3	94.7	47.7	78.0	66.5	95.5	111.2	56.1	91.8	74.2	106.5	123.9	62.7	102.5	88.6	127.1	148.0	75.1	122.6	79.3	63.1	91.3		79.3
NST-35-G26-4A17-C1	33.2	47.8	55.6	27.7	45.2	38.2	54.9	63.9	31.9	52.2	44.2	63.6	74.0	37.0	60.5	48.8	70.2	81.7	40.9	67.0	56.9	81.8	95.2	47.8	78.3	66.6	95.7	111.4	56.1	91.8	78.3	112.4	130.8	66.0	108.0	87.3	125.3	145.8	73.7	120.6	104.3	149.6	174.1	88.4	144.3	93.3	74.2	107.4		93.3
NST-35-H26-4A17-C1	36.5	52.6	61.1	30.5	49.8	42.0	60.4	70.3	35.1	57.4	48.6	70.0	81.4	40.7	66.5	53.7	77.3	89.9	45.0	73.6	62.6	90.0	104.7	52.6	86.1	73.2	105.3	122.5	61.7	101.0	86.1	123.6	143.9	72.6	118.8	96.0	137.8	160.4	81.1	132.6	114.7	164.5	191.5	97.2	158.7	102.6	81.7	118.1		102.7
NST-40-F30-4B17-C1	32.3	46.4	54.0	26.9	43.9	37.1	53.3	62.1	31.0	50.7	42.9	61.8	71.9	35.9	58.8	47.4	68.2	79.4	39.8	65.0	55.2	79.5	92.5	46.4	76.0	64.7	93.0	108.2	54.5	89.2	76.0	109.2	127.1	64.1	104.9	84.8	121.7	141.6	71.6	117.1	101.3	145.3	169.1	85.8	140.2	90.6	72.1	104.3		90.7
NST-40-G30-4B17-C1	38.0	54.6	63.5	31.6	51.7	43.7	62.7	73.0	36.5	59.7	50.5	72.7	84.6	42.2	69.1	55.8	80.3	93.4	46.8	76.5	65.0	93.5	108.8	54.6	89.5	76.1	109.4	127.3	64.1	104.9	89.5	128.4	149.5	75.4	123.4	99.8	143.2	166.6	84.3	137.8	119.2	171.0	199.0	101.0	164.9	106.6	84.8	122.7		106.7
NST-40-H30-4B17-C1	41.8	60.1	69.9	34.8	56.9	48.0	69.0	80.3	40.1	65.6	55.5	79.9	93.0	46.5	76.0	61.3	88.3	102.7	51.5	84.2	71.5	102.9	119.7	60.1	98.4	83.7	120.3	140.0	70.5	115.4	98.4	141.3	164.4	83.0	135.7	109.7	157.5	183.3	92.7	151.6	131.1	188.0	218.9	111.1	181.4	117.3	93.3	135.0		117.3
NST-43-G32-4B18-C1	42.7	61.4	71.4	35.6	58.2	49.1	70.6	82.2	41.0	67.1	56.8	81.8	95.1	47.5	77.8	62.7	90.3	105.0	52.6	86.1	73.1	105.2	122.4	61.4	100.6	85.6	123.0	143.2	72.1	118.0	100.6	144.5	168.2	84.9	138.8	112.2	161.1	187.4	94.8	155.0	134.1	192.3	223.8	113.6	185.5	119.9	95.4	138.1		120.0
NST-43-H32-4B18-C1	47.5	68.3	79.4	39.6	64.6	54.6	78.4	91.3	45.6	74.6	63.1	90.8	105.7	52.8	86.4	69.7	100.4	116.7	58.5	95.6	81.2	116.9	136.0	68.3	111.8	95.1	136.7	159.1	80.1	131.1	111.8	160.5	186.8	94.3	154.2	124.7	179.0	208.3	105.3	172.3	149.0	213.7	248.7	126.2	206.1	133.2	106.0	153.4		133.3
NST-43-I32-4B18-C1	52.2	75.1	87.3	43.5	71.1	60.0	86.2	100.4	50.2	82.0	69.4	99.9	116.3	58.1	95.0	76.7	110.4	128.4	64.3	105.2	89.4	128.6	149.6	75.1	123.0	104.6	150.4	175.0	88.1	144.2	123.0	176.6	205.5	103.7	169.6	137.2	196.9	229.1	115.9	189.5	163.9	235.1	273.6	138.8	226.7	146.6	116.6	168.8		146.7
NST-46-H34-4B20-C1	51.3	73.7	85.7	42.7	69.8	58.9	84.7	98.6	49.2	80.5	68.2	98.1	114.1	57.0	93.3	75.3	108.4	126.0	63.2	103.3	87.7	126.2	146.9	73.7	120.8	102.7	147.6	171.8	86.5	141.6	120.8	173.4	201.8	101.9	166.6	134.7	193.3	224.9	113.8	186.0	160.9	230.8	268.6	136.3	222.6	143.9	114.5	165.7		144.0
NST-46-I34-4B20-C1	57.0	81.9	95.3	47.5	77.5	65.5	94.1	109.5	54.7	89.5	75.7	109.0	126.8	63.4	103.7	83.6	120.4	140.1	70.2	114.8	97.5	140.3	163.2	81.9	134.2	114.1	164.1	190.9	96.1	157.3	134.2	192.6	224.2	113.2	185.1	149.7	214.8	249.9	126.4	206.7	178.8	256.4	298.5	151.5	247.4	159.9	127.3	184.1		160.0
NST-46-J34-4B20-C1	62.7	90.1	104.8	52.2	85.3	72.0	103.5	120.5	60.2	98.4	83.3	119.9	139.5	69.7	114.0	92.0	132.5	154.1	77.2	126.3	107.2	154.3	179.5	90.1	147.6	125.5	180.5	210.0	105.7	173.1	147.6	211.9	246.6	124.5	203.6	164.6	236.3	274.9	139.0	227.4	196.7	282.1	328.3	166.6	272.1	175.9	140.0	202.5		176.0
NST-48-H40-5B18-C1	59.8	86.0	100.0	49.8	81.4	68.8	98.8	115.0	57.5	94.0	79.5	114.5	133.2	66.5	108.9	87.8	126.4	147.1	73.7	120.5	102.4	147.3	171.4	86.0	140.9	119.8	172.3	200.5	100.9	165.2	140.9	202.3	235.4	118.8	194.3	157.1	225.6	262.4	132.7	217.1	187.7	269.2	313.4	159.0	259.7	167.9	133.6	193.3		168.0
NST-48-I40-5B18-C1	66.5	95.6	111.1	55.4	90.5	76.4	109.8	127.8	63.8	104.4	88.4	127.2	148.0	73.9	121.0	97.6	140.5	163.4	81.9	133.9	113.7	163.6	190.4	95.6	156.6	133.2	191.4	222.8	112.1	183.6	156.6	224.7	261.6	132.0	215.9	174.6	250.6	291.6	147.5	241.2	208.6	299.2	348.2	176.7	288.6	186.5	148.5	214.8		186.7
NST-48-J40-5B18-C1	73.1	105.1	122.2	60.9	99.5	84.0	120.7	140.6	70.2	114.8	97.2	139.9	162.8	81.3	133.1	107.3	154.5	179.7	90.1	147.3	125.1	180.0	209.4	105.1	172.2	146.5	210.5	245.0	123.3	201.9	172.2	247.2	287.7	145.2	237.5	192.1	275.7	320.7	162.2	265.3	229.4	329.1	383.0	194.4	317.4	205.2	163.3	236.3		205.3
NST-50-I42-5B20-C1	68.4	98.3	114.3	57.0	93.1	78.6	112.9	131.5	65.7	107.4	90.9	130.8	152.2	76.0	124.4	100.4	144.5	168.1	84.2	137.7	117.0	168.3	195.8	98.3	161.0	137.0	196.9	229.1	115.3	188.8	161.0	231.2	269.1	135.8	222.1	179.6	257.8	299.9	151.7	248.1	214.5	307.7	358.1	181.8	296.8	191.9	152.7	220.9		192.0
NST-50-J42-5B20-C1	75.9	109.2	127.0	63.3	103.4	87.3	125.4	146.1	73.0	119.3	101.0	145.4	169.1	84.5	138.2	111.5	160.6	186.7	93.6	153.0	130.0	187.0	217.6	109.2	178.9	152.2	218.7	254.6	128.1	209.8	178.9	256.9	299.0	150.9	246.8	199.5	286.4	333.2	168.5	275.6	238.4	341.9	397.9	202.0	329.8	213.2	169.7	245.5		213.3
NST-50-K42-5B20-C1	83.5	120.1	139.7	69.6	113.7	96.1	138.0	160.7	80.3	131.3	111.1	159.9	186.0	92.9	152.1	122.7	176.6	205.4	102.9	168.3	143.0	205.7	239.4	120.1	196.8	167.4	240.6	280.0	141.0	230.8	196.8	282.5	328.8	166.0	271.4	219.5	315.1	366.5	185.4	303.2	262.2	376.1	437.7	222.2	362.8	234.5	186.6	270.0		234.7
NST-54-J42-5B22-C1	76.9	110.6	128.6	64.1	104.7	88.4	127.0	147.9	73.9	120.8	102.2	147.2	171.2	85.5	140.0	112.9	162.6	189.1	94.8	154.9	131.6	189.4	220.3	110.6	181.2	154.1	221.5	257.8	129.7	212.4	181.2	260.1	302.7	152.8	249.8	202.0	290.0	337.4	170.6	279.1	241.3	346.2	402.9	204.5	333.9	215.9	171.8	248.5		216.0
NST-54-K42-5B22-C1	85.4	122.9	142.9	71.2	116.3	98.2	141.1	164.3	82.1	134.2	113.6	163.5	190.2	95.0	155.5	125.4	180.6	210.1	105.3	172.2	146.2	210.4	244.8	122.9	201.3	171.2	246.1	286.4	144.2	236.0	201.3	289.0	336.3	169.8	277.6	224.5	322.2	374.9	189.6	310.1	268.2	384.6	447.7	227.2	371.0	239.8	190.9	276.2		240.0
NST-54-L42-5B22-C1	94.0	135.2	157.2	78.3	128.0	108.1	155.2	180.8	90.3	147.7	125.0	179.9	209.3	104.5	171.1	138.0	198.7	231.1	115.8	189.4	160.9	231.4	269.3	135.2	221.4	188.3	270.7	315.0	158.6	259.6	221.4	317.9	370.0	186.7	305.4	246.9	354.5	412.4	208.6	341.1	295.0	423.1	492.4	249.9	408.1	263.8	210.0	303.8		264.0
NST-60-J47-5B22-C1	85.4	122.9	142.9	71.2	116.3	98.2	141.1	164.3	82.1	134.2	113.6	163.5	190.2	95.0	155.5	125.4	180.6	210.1	105.3	172.2	146.2	210.4	244.8	122.9	201.3	171.2	246.1	286.4	144.2	236.0	201.3	289.0	336.3	169.8	277.6	224.5	322.2	374.9	189.6	310.1	268.2	384.6	447.7	227.2	371.0	239.8	190.9	276.2		240.0
NST-60-K47-5B22-C1	94.9	136.5	158.8	79.1	129.2	109.2	156.8	182.6	91.2	149.2	126.2	181.7	211.4	105.6	172.8	139.4	200.7	233.4	117.0	191.3	162.5	233.8	272.0	136.5	223.6	190.2	273.4	318.2	160.2	262.2	223.6	321.1	373.7	188.6	308.4	249.4	358.0	416.5	210.7	344.5	298.0	427.4	497.4	252.4	412.3	266.5	212.1	306.8		266.7
NST-60-L47-5B22-C1	104.4	150.2	174.6	87.0	142.2	120.1	172.5	200.8	100.3	164.1	138.8	199.9	232.5	116.2	190.1	153.3	220.8	256.8	128.7	210.4	178.7	257.2	299.2	150.2	246.0	209.2	300.8	350.0	176.2	288.4	246.0	353.2	411.1	207.5	339.3	274.4	393.8	458.2	231.7	379.0	327.8	470.1	547.2	277.7	453.5	293.1	233.3	337.5		293.3