COOLING TECHNOLOGY INSTITUTE

P. O. Box 681807, Houston, Texas 77268 • 3845 Cypress Creek Parkway, Ste 420, Houston, Texas 77068
Phone: 281.583.4087 • Fax: 281.537.1721 • email: vmanser@ cti.org • http://www.cti.org

Advance Cooling Towers Pvt. Ltd.
Advance 2020 – Series A Line of CTI Certified Cooling Towers
CTI Certification Validation Number C31A-07R05
August 31, 2023 (Revision 5)

Group A Models (Standard AC Fan Type)
(Note: Number of Certified Cells Denoted by Prefix 1 through 6)

A37-0.75	A91-3.75	A145-18.3
A37-1.10	A91-5.50	A145-22.0
A37-1.50	A91-7.50	A145-30.0
A37-2.20	A91-9.30	A145-37.0
A37-3.75	A91-11.0	A145-45.0
	A91-15.0	
A46-1.10	A100-7.50	A154-22.0
A46-1.50	A100-9.30	A154-30.0
A46-2.20	A100-11.0	A154-37.0
A46-3.75	A100-15.0	A154-45.0
A46-5.50	A100-18.3	A154-55.0
A55-1.10	A109-9.3	A163-22.0
A55-1.50	A109-11.0	A163-30.0
A55-2.20	A109-15.0	A163-37.0
A55-3.75	A109-18.3	A163-45.0
A55-5.50	A109-22.0	A163-55.0
A55-7.50		
A64-1.50	A118-11.0	A172-30.0
A64-2.20	A118-15.0	A172-37.0
A64-3.75	A118-18.3	A172-45.0
A64-5.50	A118-22.0	A172-55.0
A64-7.50	A118-30.0	A172-75.0
A64-9.30		
A73-2.20	A127-15.0	A181-37.0
A73-3.75	A127-18.3	A181-45.0
A73-5.50	A127-22.0	A181-55.0
A73-7.50	A127-30.0	A181-75.0
A73-9.30	A127-37.0	A181-100.0
A82-2.20	A136-18.3	A190-45.0
A82-3.75	A136-22.0	A190-55.0
A82-5.50	A136-30.0	A190-75.0
A82-7.50	A136-37.0	A190-100.0
A82-9.30	A136-45.0	A190-135.0
A82-11.0		

See Footnotes, Last Page

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Group B Models (EC Fan Type)
(Note: Number of Certified Cells Denoted by Prefix 1 through 6)

A37ECMEDIUM
A37ECSTANDARD

A46ECLOW
A46ECMEDIUM
A46ECSTANDARD

A55ECLOW
A55ECMEDIUM
A55ECSTANDARD

A64ECLOW
A64ECMEDIUM
A64ECSTANDARD

A73ECLOW
A73ECMEDIUM
A73ECSTANDARD

A82ECLOW
A82ECMEDIUM
A82ECSTANDARD

A91ECLOW
A91ECMEDIUM
A91ECSTANDARD

A100ECLOW
A100ECMEDIUM
A100ECSTANDARD

A109ECLOW
A109ECMEDIUM
A109ECSTANDARD

See Footnotes, Last Page

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Advance 2020 – Series A Line of CTI Certified Cooling Towers
CTI Certification Validation Number C31A-07R05
August 31, 2023 (Revision 5)

Footnotes:

1. Advance 2020 – Series A towers for export and domestic sales are by Advance Cooling Towers Pvt. Ltd.
2. Multi-cell models comprised of a combination of up to six (6) primary single-cells (listed above) are included in the certification. See example model number below.
3. Certified models listed above are for standard construction materials with FRP (Fiberglass Reinforced Plastic) casing, basin/sump and fan deck; HDG (Hot Dipped Galvanized) steel structure; belt drive fan; and, 415 Volt/50 Hz/3 Phase fan motor. Certification includes a number of options below which are also available.
4. Certified models with optional stainless steel 304, 316 grade or pultruded FRP Structure have the following suffixes added to the basic numeric model designation:

   SS4 – 304 Grade Stainless Steel Structure

   SS6 – 316 Grade Stainless Steel Structure

   PLT – Pultruded FRP Structure
5. Certified models without the FRP basin/sump have the following suffix added to the basic numeric model designation:

   WOB – Without Basin/Sump
6. Certified models with optional direct drive or gear drive in place of standard belt drive fan have the following suffixes added to the basic numeric model designation:

   FD – Direct Drive Fan FG – Gear Drive Fan
7. Certified models with optional fan motors suitable for 220, 380 or 460 Volt/60 Hz operation or flame proof motors have the following suffixes added to basic numeric model designation:

   H – 60 Hz MF – Motor Flame Proof
8. Certified models include use of optional external platform with railing/ladder for access.
9. Cooling Towers which include the suffix "X" added to the Model No's above (e.g. 1A37-0.75-X) are not covered under CTI Certification due to either application, product accessories or modifications.

Example Model Number, Group A: 3A73-5.50

where, 3 – prefix denoting number of certified cells (values 1 through 6)

A73 – line designation and model size code

5.50 – fan motor size

Example Model Number, Group B: 3A73ECLOW

where, 3 – prefix denoting number of certified cells (values 1 through 6)

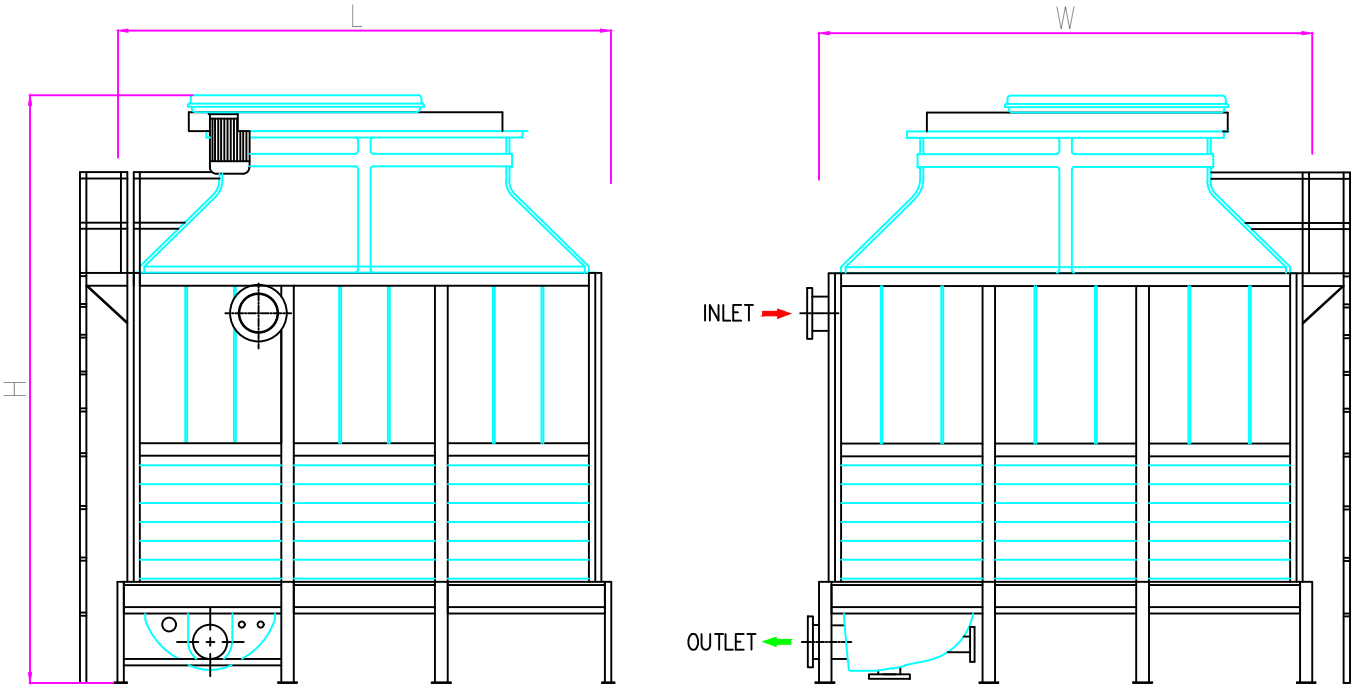
A73EC – line designation and model size code

LOW – EC fan motor speed/power code

ADVANCE 20 20 shifting gears

CTI CERTIFIED

CTI CERTIFIED "SERIES A LINE OF COOLING TOWER"

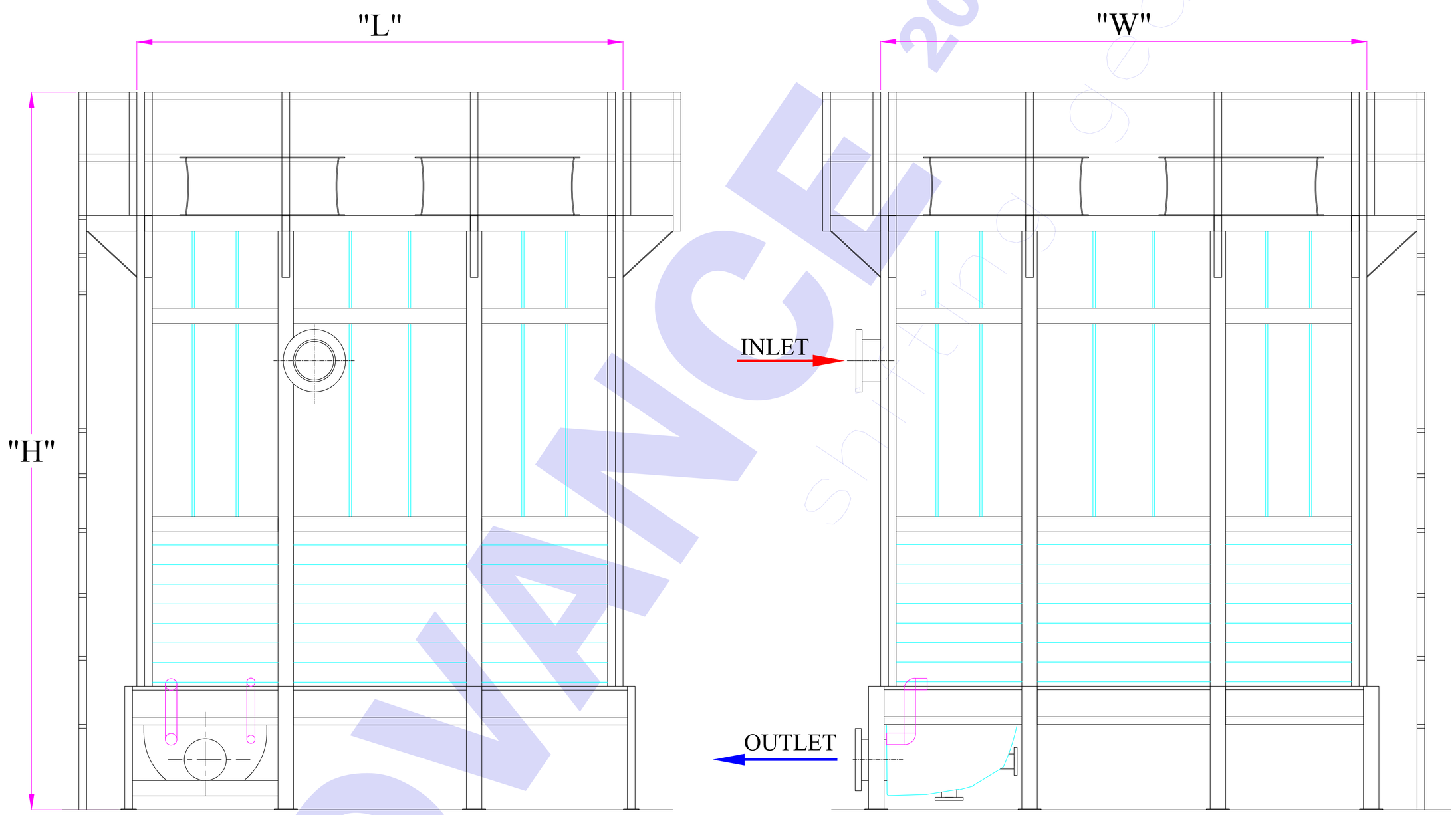


	DIMENSIONS OF "SERIES – A" COOLING TOWERS						
Series "A" Model No	L mm	W mm	H mm	INLET Inches	OUTLET Inches	DRY WEIGHT Kg	OP. WEIGHT Kg
1A37	2080	2080	3960	6"	6"	800	1800
1A46	2080	2690	3960	6"	6"	940	2250
1A55	2690	2690	4460	8"	8"	1120	2910
1A64	3300	2690	4560	8"	8"	1375	3400
1A73	3300	3300	4560	10"	10"	1590	4000
1A82	3300	3910	4660	10"	10"	1765	4675
1A91	3910	3910	4660	10"	10"	1875	4975
1A100	4520	4520	5340	10"	10"	2255	7111
1A109	5130	5130	5340	8" X 2	10"	3350	7850
1A118	5590	5590	5150	10" X 2	*	3200	3910
1A127	6200	6200	5250	10" X 2	*	3660	4440
1A136	6810	6810	5355	10" X 2	*	4200	5430
1A145	7420	7420	5860	12" X 2	*	5030	7420
1A154	8080	8080	5915	12" X 2	*	5660	8250
1A163	8690	8690	5970	12" X 2	*	6250	9040
1A172	9300	9300	6525	12" X 3	*	7340	11120
1A181	11130	11130	6690	12" X 4	*	9970	14500
1A190	12960	12960	7605	12" X 6	*	12680	19215

NOTES: → DIMENSIONS GIVEN ABOVE ARE WITH BASIN FROM 1A37 TO 1A109 & WITHOUT BASIN/SUMP FROM 1A118 TO 1A190.

* OUTLET SIZE TO BE SELECTED BY CLIENT ACCORDING TO VARIOUS OPERATING CONDITIONS.

COOLING TOWER SERIES "A-EC" ALL MODEL CHART



DIMENSION CHART FOR SERIES "A-EC" COOLING TOWERS							
"SERIES A-EC" MODEL (MAX # FANS)	LENGTH(mm) L	WIDTH(mm) W	HEIGHT(mm) H	INLET (INCHES)	OUTLET (INCHES)	DRY WEIGHT KG	OP. WEIGHT KG
1A37EC (1)	2080	2080	4150	6	6	800	1800
1A46EC (2)	2080	2690	4150	6	6	940	2250
1A55EC (4)	2690	2690	4650	8	8	1120	2910
1A64EC (4)	3300	2690	4650	8	8	1375	3400
1A73EC (4)	3300	3300	4650	10	10	1590	4000
1A82EC (6)	3300	3910	4650	10	10	1765	4675
1A91EC (6)	3910	3910	4650	10	10	1875	4975
1A100EC (9)	4520	4520	4650	10	10	3520	7515
1A109EC (12)	5130	5130	4650	8,8	10	4130	9300

THE DIMENSION CONSIDERED IS FOR COOLING TOWER WITH BASIN

ADVANCE 2020 shifting gears

Advance 2020 Series A R3, 2016 **Single Cell Models** **All Flows in CMH**

Condition Reference #	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Wet Bulb °C	10	10	10	10	10	13	13	13	13	13	16	16	16	16
Range °C	6	6	6	8	8	6	6	6	8	8	6	6	6	8
Approach °C	4	6	7	4	7	4	6	7	4	7	4	6	7	4
Inlet Water Temperature °C	20	22	23	22	25	23	25	26	25	28	26	28	29	28
Outlet Water Temperature °C	14	16	17	14	17	17	19	20	17	20	20	22	23	20
Model No. All Single Cell A-37 to A-190														
A-37 0.75Kw	NA	20.1	23.1	NA	19.1	16.8	22.7	26.2	NA	21.5	18.3	25.8	29.7	NA
A-37 1.1Kw	NA	22.4	17.0	NA	21.3	18.1	25.3	29.0	NA	24.0	20.7	28.9	33.2	17.4
A-37 1.5Kw	17.2	23.9	27.5	NA	22.6	19.3	27.0	31.1	NA	25.9	22.1	30.8	35.5	18.6
A-37 2.2Kw	19.2	27.0	31.0	NA	25.7	21.8	30.3	34.9	18.6	29.0	24.7	34.7	39.8	21.0
A-37 3.75Kw	21.8	30.4	35.0	18.4	28.9	24.5	34.2	39.5	20.9	32.8	28.6	39.2	45.0	23.7
A-46 1.1Kw	NA	28.8	33.1	NA	27.5	NA	32.4	37.3	NA	30.9	26.4	36.9	42.4	NA
A-46 1.5Kw	NA	31.0	35.7	NA	29.6	25.3	35.3	40.4	NA	33.5	28.6	40.0	46.0	NA
A-46 2.2Kw	25.2	34.9	40.0	NA	33.3	28.4	39.5	45.4	NA	37.7	32.2	44.9	51.5	27.5
A-46 3.75Kw	29.2	40.5	46.5	NA	38.6	32.9	45.8	52.5	28.0	43.7	37.4	51.9	59.6	31.8
A-46 5.5Kw	31.5	43.8	50.3	26.7	41.7	35.6	49.5	56.8	30.2	47.1	40.2	56.0	64.5	34.3
A-55 1.1Kw	NA	34.7	39.7	NA	32.9	28.1	39.2	45.0	NA	37.4	31.9	44.6	51.0	27.3
A-55 1.5Kw	27.3	38.0	43.5	NA	36.2	30.9	43.1	49.3	26.4	41.1	35.1	48.9	56.1	29.9
A-55 2.2Kw	30.8	42.7	49.0	26.2	40.7	34.7	48.3	55.3	29.6	46.0	39.5	54.8	63.0	33.5
A-55 3.75Kw	35.5	49.3	56.6	30.2	47.0	40.1	55.7	64.0	34.1	53.3	45.5	63.3	72.6	38.8
A-55 5.5Kw	38.3	53.1	61.0	32.5	50.6	43.2	60.1	69.0	36.7	57.3	49.0	68.2	78.3	41.8
A-55 7.5Kw	42.1	58.6	67.2	35.7	55.7	47.6	66.2	76.0	40.4	63.1	54.0	75.2	86.4	45.9
A-64 1.5Kw	33.0	45.8	52.5	28.1	43.6	37.2	51.8	59.4	31.7	49.4	42.2	58.8	67.4	36.1
A-64 2.2Kw	36.5	50.7	58.5	31.1	48.3	41.2	57.3	65.8	35.1	54.7	46.9	65.2	74.8	39.9
A-64 3.75Kw	42.7	59.3	67.9	36.2	56.4	48.1	66.9	76.8	41.0	63.9	54.7	76.0	87.4	46.6
A-64 5.5Kw	47.1	65.5	75.1	40.0	62.3	53.2	74.1	85.0	45.2	70.6	60.3	84.0	23.0	51.4
A-64 7.5Kw	50.1	69.5	79.8	42.5	66.2	56.5	78.6	90.3	48.0	75.0	64.2	89.3	102.5	54.6
A-64 9.3Kw	53.6	74.6	85.6	45.5	71.0	60.5	84.3	96.8	51.4	80.4	68.7	95.8	109.8	58.5
A-73 2.2Kw	44.9	62.4	71.5	38.2	59.4	50.7	70.4	80.8	43.2	67.2	57.6	80.0	92.0	49.1
A-73 3.75Kw	52.1	72.3	83.0	44.2	68.9	58.8	81.8	93.8	50.1	78.0	66.8	92.8	106.5	56.9
A-73 5.5Kw	57.5	80.0	91.8	48.9	76.2	65.0	90.4	103.8	55.3	86.3	73.8	102.6	118.0	62.9
A-73 7.5Kw	63.2	87.8	100.8	53.6	83.5	71.3	99.2	114.0	60.7	94.7	81.0	112.6	129.4	69.0
A-73 9.3Kw	66.2	92.0	105.5	56.1	87.6	74.8	104.0	119.4	63.5	99.2	84.8	118.0	135.6	72.2
A-82 2.2Kw	NA	66.8	74.5	NA	57.3	NA	74.5	85.3	NA	71.2	60.9	84.5	97.0	52.0
A-82 3.75Kw	56.0	78.0	89.5	NA	74.1	63.5	88.3	101.3	54.1	84.3	72.2	100.0	114.5	61.5
A-82 5.50Kw	62.5	86.5	99.2	52.9	82.3	69.6	97.8	112.3	59.8	93.3	79.8	111.0	127.5	68.0
A-82 7.50Kw	68.1	94.5	108.5	57.8	90.1	76.9	107.0	122.8	65.4	102.0	87.2	121.5	139.5	74.1
A-82 9.3Kw	71.5	99.4	114.0	60.7	94.5	80.8	112.3	129.0	68.6	107.0	91.5	127.5	146.5	78.0
A-82 11Kw	73.8	102.7	117.8	62.6	97.7	83.5	116.0	133.3	70.8	110.6	94.6	131.8	151.4	80.0
A-91 3.75Kw	NA	87.4	100.2	NA	83.4	71.2	98.8	113.5	NA	94.5	80.8	112.3	129.0	69.0
A-91 5.5Kw	70.5	98.0	112.3	NA	93.2	79.7	110.6	127.0	67.8	105.6	90.4	125.6	144.4	77.0
A-91 7.5Kw	75.6	105.0	120.5	NA	100.0	85.4	118.7	136.3	72.7	113.4	97.0	135.0	154.8	82.6
A-91 9.3Kw	81.3	113.0	129.5	69.0	107.4	91.8	127.6	146.3	78.1	121.8	104.0	144.7	166.2	88.7
A-91 11Kw	85.0	118.0	135.5	72.0	112.2	95.8	133.2	153.0	81.5	127.2	108.8	151.2	173.8	92.6
A-91 15Kw	91.0	126.5	145.0	77.1	120.3	102.8	142.8	164.2	87.3	136.4	116.5	162.2	186.2	99.2
A-100 7.5Kw	100.6	139.6	160.4	NA	133.0	113.8	158.0	181.2	96.8	150.8	129.0	179.4	206.0	110.0
A-100 9.3Kw	107.0	148.6	170.5	NA	141.6	120.8	168.0	193.0	102.8	160.5	137.4	191.0	219.0	117.0
A-100 11Kw	111.0	154.4	176.8	94.2	146.8	125.4	174.5	200.0	106.6	166.4	142.5	198.0	227.4	121.3
A-100 15Kw	119.8	166.4	191.0	101.6	158.5	135.2	188.0	216.0	115.0	179.5	153.4	213.8	245.0	130.6
A-100 18.3Kw	125.4	174.4	200.4	106.5	166.0	141.8	197.4	226.4	120.5	188.0	161.0	223.8	256.8	137.0
A-109 9.3Kw	125.8	174.8	200.2	NA	166.5	142.2	197.5	226.8	121.0	188.5	161.5	224.5	257.8	137.5
A-109 11Kw	131.6	183.0	210.0	NA	174.2	148.8	206.8	237.5	126.8	197.5	169.0	235.0	270.0	144.0
A-109 15Kw	142.5	198.0	227.0	121.0	188.5	161.0	224.0	257.0	137.0	213.8	182.5	254.0	292.0	155.8
A-109 18.3Kw	149.8	208.0	238.0	127.0	198.0	169.0	235.0	270.0	143.8	224.5	192.0	267.0	306.5	163.5
A-109 22Kw	156.0	217.0	249.0	132.5	206.5	176.5	245.0	281.5	149.8	234.0	200.0	278.0	319.5	170.3
A-118 11Kw	158.8	220.2	252.8	NA	210.0	179.0	249.0	285.8	152.5	238.0	203.5	283.0	325.0	173.5
A-118 15Kw	174.0	242.0	278.0	NA	230.4	197.0	273.4	314.0	167.4	261.0	223.2	310.5	356.5	190.5
A-118 18.3Kw	183.2	255.0	292.0	155.8	242.2	207.2	288.0	330.2	176.0	274.5	235.0	326.8	375.0	200.0
A-118 22Kw	191.5	266.2	305.4	162.5	253.4	216.2	301.0	345.4	184.0	287.0	245.5	342.0	392.0	209.0
A-118 30Kw	202.8	282.0	324.0	172.4	268.5	229.0	318.8	366.0	195.0	304.0	260.0	362.0	416.0	221.5
A-127 15 Kw	202.6	281.0	322.5	NA	267.5	228.8	318.0	365.0	194.5	303.5	259.5	360.8	414.0	221.0
A-127 18.3 Kw	212.8	296.0	340.0	NA	282.0	241.0	335.0	384.0	204.5	319.5	273.0	380.0	436.0	232.5
A-127 22 Kw	222.6	309.0	355.0	189.0	294.0	251.5	349.0	400.8	213.5	333.4	285.0	396.5	455.0	243.0
A-127 30 Kw	239.8	333.0	382.0	203.5	317.0	270.5	376.0	432.0	230.0	359.0	306.8	427.0	490.0	261.5
A-127 37 Kw	251.0	348.8	401.0	212.8	332.0	283.8	394.0	452.5	241.0	376.0	322.0	448.0	514.0	274.0
A-136 18.3Kw	245.0	339.5	390.0	NA	323.5	276.5	384.0	441.0	235.0	367.0	314.0	436.0	501.0	267.5
A-136 22Kw	255.5	355.0	407.0	NA	338.0	289.0	401.0	461.0	245.5	382.8	328.0	456.0	523.0	279.5
A-136 30Kw	277.5	385.5	442.0	235.5	367.0	313.5	436.0	500.0	266.5	416.0	355.5	495.0	568.0	303.0
A-136 37Kw	291.0	405.0	464.5	247.0	385.0	328.5	457.5	525.0	279.5	436.5	373.0	518.8	596.0	317.5
A-136 45Kw	305.0	424.0	486.5	259.0	404.0	345.0	479.0	550.0	293.0	457.0	390.5	544.0	625.0	333.0
A-145 18.3Kw	279.0	387.0	445.0	NA	369.0	315.0	438.0	503.3	NA	418.0	358.0	497.0	571.0	305.0
A-145 22Kw	393.5	408.0	468.0	NA	388.0	331.5	461.0	529.0	282.3	440.0	376.0	523.0	601.0	321.0
A-145 30Kw	321.0	446.0	512.0	273.0	425.0	363.0	505.0	580.0	309.0	482.0	412.0	573.0	658.0	351.3
A-145 37Kw	339.0	470.0	540.0	287.0	448.0	382.0	531.5	610.0	325.0	507.0	434.0	603.0	693.0	369.0
A-145 45Kw	353.0	490.8	563.5	300.0	468.0	398.8	555.0	637.0	338.8	529.5	453.0	630.0	724.0	385.3
A-154 22Kw	332.0	460.0	528.0	NA	438.5	375.0	520.0	598.0	319.0	497.0	425.0	591.0	679.0	362.0
A-154 30Kw	636.0	504.0	578.0	NA	480.0	410.0	569.0	654.0	348.5	543.0	465.0	646.0	743.0	396.0
A-154 37Kw	379.8	528.0	606.0	323.0	503.0	429.0	597.0	685.0	365.0	570.0	487.0	678.0	778.0	415.0
A-154 45Kw	396.5	551.3	633.0	337.0	525.0	448.0	624.0	716.0	381.0	595.0	509.0	708.0	812.0	433.0
A-154 55Kw	417.3	580.0	665.5	354.0	552.0	471.0	656.0	753.0	401.0	626.0	535.0	744.0	855.0	454.0
A-163 22 Kw	NA	504.5	579.0	NA	480.0	410.0	570.0	654.5	NA	544.0	465.5	648.0	743.8	397.0
A-163 30 Kw	398.0	553.0	635.0	NA	526.8	449.5	624.8	718.0	383.0	597.0	510.0	710.5	815.5	435.0
A-163 37 Kw	421.2	585.0	671.0	NA	556.0	474.8	660.0	758.0	398.8	630.0	539.5	750.0	862.3	459.0
A-163 45 Kw	439.0	610.0	700.0	373.0	580.0	495.5	689.0	792.2	421.5	658.0	562.0	781.8	898.8	479.0
A-163 55 Kw	462.0	643.0	738.0	393.0	611.5	521.8	725.8	835.0	444.5	693.0	592.2	825.0	948.0	505.3
A-172 30Kw	447.0	621.0	712.0	NA	591.0	505.0	702.0	806.0	430.0	670.0	573.0	798.0	916.0	489.0
A-172 37Kw	473.0	657.0	753.0	NA	625.0	534.0	742.0	853.0	454.0	708.0	606.0	843.0	967.0	516.0
A-172 45Kw	455.0	688.0	789.0	420.0	655.0	559.0	778.0	893.0	476.0	742.0	635.0	883.0	1014.0	540.0
A-172 55Kw	522.0	726.0	832.0	443.0	691.0	590.0	821.0	942.0	501.0	782.0	670.0	931.0	1069.0	570.0
A-172 75Kw	561.0	778.5	894.0	475.0	742.0	633.0	880.0	1010.0	538.0	840.0	718.0	999.0	1147.0	612.0
A-181 37Kw	622.0	864.0	990.0	NA	822.0	702.0	975.5	1122.0	NA	932.0	798.0	1107.8	1272.0	679.5
A-181 45Kw	660.0	916.5	1051.5	NA	874.0	745.5	1036.5	1190.0	635.0	990.0	848.0	1176.8	1351.0	722.0
A-181 55Kw	695.0	965.0	1105.5	NA	918.0	785.0	1090.0	1250.0	667.0	1039.5	890.0	1236.5	1421.0	758.0
A-181 75Kw	749.0	1042.0	1195.0	637.0	991.0	848.0	1176.5	1353.0	719.5	1124.0	960.0	1338.0	1534.0	818.0
A-181 100Kw	795.0	1105.0	1270.0	675.0	1052.0	897.5	1250.0	1435.0	762.5	1191.5	1019.0	1419.0	1627.0	868.0
A-190 45Kw	NA	1141.5	1310.0	NA	1086.0	928.0	1291.0	1480.0	NA	1232.0	1054.0	1465.0	1680.0	899.0
A-190 55Kw	871.0	1310.0	1386.0	NA	1151.0	982.0	1365.0	1569.0	836.0	1305.0	1115.0	1550.0	1780.0	952.0
A-190 75Kw	942.5	1310.0	1504.0	NA	1249.0	1065.0	1481.0	1702.0	907.5	1415.0	1210.0	1682.0	1931.0	1030.0
A-190 100Kw	1004.0	1396.0	1602.0	851.5	1327.0	1135.0	1578.0	1810.0	965.0	1504.0	1286.0	1789.0	2053.5	1095.0
A-190 135Kw	1095.0	1521.0	1744.0	927.0	1446.0	1233.5	1718.0	1972.0	1050.0	1637.0	1401.0	1948.0	2239.0	1193.0

Condition Reference #	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Wet Bulb °C	16	18	18	18	18	18	21	21	21	21	21	24	24	24	24	24	27	27	27	27	27
Range °C	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8
Approach °C	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	31	28	30	31	30	33	31	33	34	33	36	34	36	37	36	39	37	39	40	39	42
Outlet Water Temperature °C	23	22	24	25	22	25	25	27	28	25	28	28	30	31	28	31	31	33	34	31	34
Model No. All Single Cell A-37 to A-190																					
A-37 0.75Kw	24.7	20.2	28.2	32.5	17.1	26.9	23.0	32.3	37.1	19.5	31.1	26.3	37.3	42.8	22.5	36.0	30.4	43.2	49.8	26.3	41.5
A-37 1.1Kw	27.5	22.4	31.5	36.2	19.1	30.2	25.8	36.0	41.2	21.8	34.9	29.5	41.5	47.8	25.2	40.5	34.2	48.5	55.6	29.5	46.3
A-37 1.5Kw	29.4	24.1	33.7	38.8	20.6	32.2	27.5	38.1	44.0	23.5	37.3	31.6	44.4	51.3	27.0	43.2	36.6	51.7	59.4	31.6	49.8
A-37 2.2Kw	33.1	27.0	37.7	43.5	22.0	36.2	30.9	43.2	49.8	26.3	41.8	35.4	50.0	57.5	30.6	48.4	40.9	57.9	66.6	35.4	55.7
A-37 3.75Kw	37.3	30.5	42.7	49.0	25.9	40.7	34.8	48.6	56.1	29.6	47.1	39.9	56.3	64.6	34.4	54.6	46.3	65.2	75.0	39.9	62.6
A-46 1.1Kw	35.3	28.8	40.3	45.8	NA	38.6	33.0	45.9	52.9	28.2	44.5	37.7	53.3	61.0	32.9	51.7	43.8	61.5	71.0	38.0	59.4
A-46 1.5Kw	38.5	31.5	43.7	50.1	26.7	41.8	35.8	50.0	57.6	30.6	48.5	41.1	57.8	66.2	35.4	56.1	47.6	66.8	76.7	41.3	64.7
A-46 2.2Kw	42.8	35.1	48.8	56.2	30.0	46.8	40.1	55.8	64.2	34.3	54.2	46.0	64.7	74.2	39.7	62.7	53.3	74.8	85.8	46.1	72.2
A-46 3.75Kw	49.7	40.7	56.7	65.0	34.7	54.2	46.5	64.7	74.2	39.6	62.6	53.2	74.8	85.8	45.9	72.5	61.6	86.5	99.5	53.4	83.3
A-46 5.5Kw	53.7	43.9	61.2	70.2	37.5	58.6	50.2	70.0	80.2	42.8	67.6	57.5	80.7	92.6	49.6	78.5	66.6	93.5	107.2	57.6	89.8
A-55 1.1Kw	42.6	34.9	48.6	55.7	29.9	46.5	39.8	55.4	63.6	34.2	53.8	45.6	64.2	73.4	39.6	62.3	52.8	74.3	85.2	45.8	71.5
A-55 1.5Kw	46.7	38.2	53.3	61.2	32.7	51.1	43.7	60.8	69.8	37.4	58.9	50.0	70.3	80.8	43.4	68.5	58.2	81.5	93.6	50.3	78.7
A-55 2.2Kw	52.5	42.9	59.8	68.7	36.7	57.3	49.1	68.4	78.6	42.0	66.2	56.3	79.0	90.8	48.6	76.7	65.4	91.5	105.0	56.4	88.2
A-55 3.75Kw	60.5	49.6	69.1	79.4	42.3	66.2	56.7	78.9	90.6	48.4	76.4	64.9	91.2	104.6	56.1	88.4	75.2	105.6	121.2	65.1	101.7
A-55 5.5Kw	65.2	53.5	74.5	85.4	45.6	71.2	61.0	84.9	97.5	52.1	82.2	69.9	98.2	112.6	60.4	95.2	81.0	113.6	130.3	70.0	109.4
A-55 7.5Kw	71.8	58.8	81.9	94.2	50.1	79.0	87.2	93.5	107.3	57.3	90.5	76.9	108.0	124.0	66.4	104.6	89.0	125.1	143.3	77.0	120.2
A-64 1.5Kw	56.3	46.1	64.1	73.5	39.4	61.4	52.6	73.2	84.0	45.0	70.9	60.3	84.7	97.1	52.2	82.2	70.0	97.9	112.5	60.6	94.6
A-64 2.2Kw	62.3	51.1	71.0	81.6	43.6	68.1	58.3	81.1	93.2	49.9	78.6	57.8	93.8	107.8	57.8	91.1	77.4	108.7	125.0	67.1	104.8
A-64 3.75Kw	72.7	79.8	83.0	95.3	50.8	79.5	68.0	94.7	108.8	58.2	91.8	78.1	109.4	125.7	67.4	106.2	90.5	126.7	145.6	78.3	122.2
A-64 5.5Kw	80.3	65.8	91.7	105.2	56.1	87.7	75.0	104.5	120.2	64.1	101.2	86.0	120.8	138.8	74.3	117.2	99.8	139.8	160.6	86.2	134.8
A-64 7.5Kw	85.3	70.0	97.4	111.8	59.5	93.2	79.8	111.0	127.5	144.5	107.5	91.4	128.3	147.2	78.8	124.5	106.0	148.5	170.5	91.5	143.0
A-64 9.3Kw	91.5	75.0	104.3	119.8	63.8	99.8	85.5	119.2	136.8	72.9	115.2	97.8	137.5	158.0	84.5	133.2	113.5	159.0	182.8	98.0	153.0
A-73 2.2Kw	76.6	62.8	87.4	100.2	53.6	83.6	71.8	99.6	114.4	61.4	96.6	82.2	115.2	132.4	71.0	112.0	95.3	133.5	153.5	82.5	128.8
A-73 3.75Kw	88.8	72.8	101.2	116.2	62.1	97.0	83.2	115.6	132.8	71.1	112.2	95.2	133.6	153.6	82.4	129.8	110.5	155.0	178.0	95.6	149.3
A-73 5.5Kw	98.2	80.5	112.0	128.5	68.6	107.2	91.8	128.0	146.8	78.4	123.8	105.4	147.8	169.6	91.0	143.4	122.0	171.0	196.5	105.5	165.0
A-73 7.5Kw	107.8	68.3	122.8	141.0	75.2	117.6	100.8	140.2	161.0	86.0	135.8	115.5	162.0	186.0	99.6	157.2	133.8	187.5	215.2	115.6	180.5
A-73 9.3Kw	112.8	92.4	128.6	147.6	78.8	123.2	105.5	146.7	168.5	90.0	142.2	120.8	169.5	194.6	104.2	164.5	140.0	196.5	225.2	121.0	189.0
A-82 2.2Kw	80.9	66.4	92.2	105.8	56.9	88.5	75.9	105.5	121.0	64.8	102.2	87.0	121.7	140.0	75.3	118.5	100.8	141.3	162.0	87.3	136.3
A-82 3.75Kw	94.0	78.6	109.3	125.7	67.2	104.8	89.9	125.0	143.5	76.7	121.0	103.0	144.5	165.7	89.0	140.3	119.3	167.3	192.3	103.3	161.3
A-82 5.50Kw	106.0	87.0	120.9	139.0	74.2	116.0	99.5	138.2	159.0	85.0	134.0	114.0	159.6	183.5	98.5	155.3	132.0	185.0	212.5	114.3	178.3
A-82 7.50Kw	117.0	95.0	132.4	151.9	81.2	126.7	108.6	151.0	174.1	92.8	146.5	124.5	174.5	200.5	107.5	169.5	144.3	202.3	232.5	124.8	195.0
A-82 9.3Kw	121.8	99.5	138.9	159.5	85.2	133.0	114.1	158.5	182.0	97.3	153.5	130.5	183.5	210.5	112.7	177.8	151.3	212.0	243.5	130.8	204.3
A-82 11Kw	125.0	103.1	143.7	164.9	88.0	137.4	117.8	164.0	188.0	100.5	158.8	135.0	189.5	217.5	116.5	183.5	156.0	219.0	251.5	135.0	211.0
A-91 3.75Kw	107.5	88.2	122.4	140.6	75.3	117.4	100.6	139.8	160.8	86.2	135.6	115.4	161.6	185.8	99.8	157.2	133.6	187.4	215.0	116.0	180.6
A-91 5.5Kw	120.2	98.5	137.0	157.3	84.2	131.4	112.6	156.8	179.8	96.2	151.8	129.0	181.0	208.0	111.5	175.8	149.6	210.0	240.8	129.4	202.0
A-91 7.5Kw	129.0	105.8	147.0	169.0	90.2	140.8	120.8	168.0	193.0	103.2	162.6	138.2	194.0	222.8	119.5	188.4	160.2	225.0	258.0	138.6	216.5
A-91 9.3Kw	138.5	113.5	158.0	181.3	96.8	151.4	129.5	180.5	207.0	110.6	174.6	148.4	208.4	239.2	128.2	202.2	172.0	241.4	276.8	148.8	232.4
A-91 11Kw	144.6	118.5	165.0	189.4	101.0	158.0	135.6	188.4	216.2	115.6	182.4	155.0	217.6	249.8	134.0	211.2	179.5	252.0	289.0	155.4	242.5
A-91 15Kw	155.0	127.0	176.8	203.0	108.3	169.4	145.0	201.8	232.0	123.8	195.5	166.0	233.0	267.4	143.4	226.0	192.5	269.6	310.0	166.4	259.6
A-100 7.5Kw	171.6	140.8	195.5	224.6	120.0	187.5	160.8	223.4	256.8	137.2	216.4	184.0	258.2	296.4	159.0	250.8	213.5	299.0	344.0	184.5	288.4
A-100 9.3Kw	182.4	149.8	208.0	238.8	127.5	199.5	171.0	237.5	272.8	146.0	230.2	195.5	274.8	315.2	169.0	266.4	227.0	318.0	365.0	196.2	306.5
A-100 11Kw	189.2	155.0	216.0	248.0	132.2	206.8	177.0	246.5	282.8	151.4	238.8	202.8	284.8	327.0	175.0	276.4	235.0	330.0	378.4	203.5	317.4
A-100 15Kw	204.0	167.4	233.0	267.2	142.5	222.8	191.0	266.0	305.0	163.0	257.2	218.5	306.8	352.2	188.8	298.0	253.2	355.4	408.0	219.0	342.0
A-100 18.3Kw	214.0	175.6	244.0	280.0	149.5	233.5	200.0	278.5	319.5	170.8	269.5	229.0	321.4	369.0	197.5	312.0	265.2	372.0	427.0	229.2	358.0
A-109 9.3Kw	214.5	175.8	244.4	281.1	150.0	234.5	200.8	279.5	320.8	171.8	271.0	230.0	323.0	371.0	199.0	314.0	371.0	374.7	430.0	231.0	360.8
A-109 11Kw	224.8	184.0	256.0	294.5	157.0	245.6	210.5	292.9	336.0	179.8	283.0	240.8	338.0	388.0	208.0	328.5	279.5	391.5	450.4	242.0	377.5
A-109 15Kw	243.0	199.0	277.0	318.0	170.0	265.5	227.5	316.5	363.5	194.5	306.8	259.0	366.0	419.5	225.0	355.0	302.0	424.0	486.0	261.0	408.0
A-109 18.3Kw	255.5	209.5	291.0	334.5	178.5	279.0	239.0	332.5	382.0	204.0	322.0	274.0	384.0	441.0	236.0	372.5	317.0	445.0	510.0	274.0	428.0
A-109 22Kw	266.0	218.0	303.8	348.5	186.0	290.5	249.3	346.0	398.0	212.5	335.5	285.0	400.0	459.5	246.2	388.2	330.0	463.0	532.0	285.5	446.0
A-118 11Kw	270.5	222.0	308.5	354.0	189.4	295.5	253.4	352.0	405.0	216.5	341.5	290.0	408.0	468.0	251.0	395.8	336.8	472.0	542.0	291.5	455.0
A-118 15Kw	297.0	243.8	338.5	389.0	207.8	324.4	278.0	386.5	444.0	237.5	375.0	319.0	447.0	513.0	275.0	434.0	369.0	518.0	594.5	319.5	499.0
A-118 18.3Kw	312.5	256.0	356.8	409.0	218.2	341.0	292.4	406.8	467.0	250.0	394.0	335.0	470.0	540.0	289.5	456.0	388.0	545.0	624.8	336.0	524.0
A-118 22Kw	327.0	268.0	372.5	428.0	228.0	356.4	306.0	425.0	488.0	260.8	412.0	350.0	491.0	564.0	302.0	477.0	406.0	569.0	652.5	351.0	548.0
A-118 30Kw	346.0	284.0	394.5	453.0	241.5	377.5	323.4	450.4	517.0	276.0	436.0	371.0	520.0	597.0	320.0	505.0	429.0	602.0	691.0	371.0	580.0
A-127 15 Kw	345.0	283.0	393.5	452.0	241.5	377.0	323.0	450.0	515.8	276.0	435.5	370.0	519.8	597.0	319.8	504.5	429.0	602.0	691.0	372.0	579.8
A-127 18.3 Kw	363.5	298.0	414.0	475.5	254.0	397.0	340.0	473.0	543.0	290.5	458.0	390.0	546.3	627.5	336.5	530.5	451.0	634.0	727.0	391.0	610.0
A-127 22 Kw	379.0	311.0	432.5	496.3	265.0	414.0	355.0	494.0	566.8	303.0	478.0	407.0	570.5	655.0	351.0	554.0	471.0	660.5	758.0	408.0	636.0
A-127 30 Kw	408.0	335.0	465.5	534.5	285.0	446.0	381.8	532.0	610.0	326.0	515.0	437.3	615.0	705.0	378.0	596.0	506.5	710.5	816.0	438.0	684.0
A-127 37 Kw	428.0	351.0	487.8	560.0	298.5	466.8	400.0	556.5	640.0	342.0	539.0	458.0	643.0	738.0	395.5	624.0	531.0	744.0	854.0	459.0	717.0
A-136 18.3Kw	417.5	342.0	476.0	546.0	292.0	456.0	391.0	543.0	624.0	333.5	527.0	447.5	627.5	721.0	387.0	610.0	519.0	727.0	835.0	449.0	701.0
A-136 22Kw	436.0	357.0	497.0	571.0	305.0	476.0	408.0	567.0	651.5	349.0	550.0	467.0	656.0	753.0	404.0	637.0	542.0	760.0	872.0	469.0	732.0
A-136 30Kw	473.0	387.5	540.0	619.0	330.5	516.5	442.5	616.0	708.0	378.0	596.5	507.0	712.0	817.0	438.0	690.5	588.0	825.0	945.5	508.0	793.0
A-136 37Kw	496.0	406.5	566.0	650.0	347.0	542.0	464.5	646.0	743.0	397.0	625.5	532.0	746.0	858.0	458.8	723.8	615.8	865.0	991.5	532.5	832.0
A-136 45Kw	519.8	426.0	594.0	681.0	363.0	568.0	486.5	676.5	777.0	414.8	655.0	557.0	781.5	898.0	481.0	758.0	645.0	905.0	1038.0	557.5	871.0
A-145 18.3Kw	475.8	390.0	542.0	622.5	333.0	520.0	445.5	619.5	711.0	380.5	600.5	510.0	716.0	822.0	441.0	695.5	592.0	830.0	952.5	512.0	800.0
A-145 22Kw	501.0	410.0	570.5	656.0	350.0	546.5	468.5	651.5	748.0	400.0	631.0	537.0	752.8	865.0	464.0	731.0	622.0	872.5	1002.0	539.0	840.5
A-145 30Kw	547.5	449.0	625.0	717.0	383.0	598.0	512.5	714.0	819.0	438.0	690.5	588.0	825.0	946.0	507.0	800.0	680.0	954.5	1096.0	589.0	919.0
A-145 37Kw	577.0	473.0	658.0	756.0	403.0	630.0	540.0	751.0	862.0	461.0	728.0	618.0	868.0	996.0	534.0	841.8	717.0	1005.0	1155.0	619.0	967.0
A-145 45Kw	602.0	494.0	686.5	788.5	421.0	658.0	563.0	784.0	900.0	481.0	759.0	645.0	905.5	1039.5	556.5	878.5	747.0	1050.0	1203.0	646.0	1010.0
A-154 22Kw	565.0	463.0	644.0	741.0	396.0	618.0	529.0	736.0	845.0	453.0	713.0	606.0	852.0	978.0	524.0	827.0	703.0	986.0	1133.0	609.0	950.0
A-154 30Kw	618.0	507.0	706.0	809.0	432.0	675.0	576.0	801.0	921.0	492.0	777.0	660.0	927.0	1064.0	570.0	899.0	764.0	1074.0	1231.0	661.0	1033.0
A-154 37Kw	648.0	531.0	739.0	849.0	453.0	708.0	606.0	845.0	969.0	518.0	817.0	694.0	975.0	1119.0	600.0	947.0	805.0	1129.0	1298.0	696.0	1088.0
A-154 45Kw	676.9	555.0	772.0	886.0	473.0	739.0	633.0	881.0	1012.0	541.0	852.6	725.0	1019.0	1169.0	626.0	988.0	840.0	1180.0	1354.0	726.0	1135.0
A-154 55Kw	709.0	581.0	809.0	829.0	495.0	774.0	663.0	924.0	1060.0	566.0	893.0	759.0	1066.0	1224.0	656.0	1035.0	881.0	1235.0	1417.0	761.0	1188.0
A-163 22 Kw	620.0	508.0	707.0	811.0	433.5	677.0	580.0	807.0	926.0	496.0	782.5	664.0	933.5	1072.0	575.0	905.0	770.0	1081.5	1240.0	668.0	1041.0
A-163 30 Kw	679.0	557.0	775.2	889.0	475.5	742.0	636.8	884.0	1017.0	544.0	857.0	728.0	1022.0	1175.5	630.0	1002.0	844.0	1186.0	1361.0	731.0	1142.0
A-163 37 Kw	717.5	588.8	818.0	940.0	501.0	789.0	671.0	935.3	1074.0	574.2	905.0	770.0	1081.0	1238.5	664.0	1047.0	892.0	1250.0	1435.0	772.0	1205.0
A-163 45 Kw	748.0	613.0	854.0	981.0	523.5	816.5	700.0	985.5	1118.0	598.0	944.0	802.0	1124.8	1294.0	692.0	1104.0	930.0	1305.0	1498.0	805.0	1255.0
A-163 55 Kw	789.3	647.0	898.5	1034.0	551.0	861.5	737.5	1025.0	1180.0	630.8	995.0	845.0	1185.0	1362.5	730.0	1150.0	980.5	1372.0	1575.0	846.0	1322.0
A-172 30Kw	762.0	625.0	870.0	999.0	533.0	833.0	714.0	993.0	1141.0	610.0	962.0	818.0	1149.0	1318.0	706.5	1115.0	948.0	1331.0	1528.0	821.0	1282.0
A-172 37Kw	806.0	661.0	920.0	1056.0	563.0	881.0	754.0	1050.0	1205.0	645.0	1017.0	865.0	1213.0	1392.0	746.0	1178.0	1002.0	1404.0	1614.0	866.0	1353.0
A-172 45Kw	844.0	692.0	962.0	1105.0	590.0	922.0	791.0	1100.0	1262.0	675.0	1064.0	904.0	1270.0	1458.0	782.0	1232.0	1048.0	1472.0	1688.0	907.0	1416.0
A-172 55Kw	891.0	730.0	1016.0	1167.0	622.0	972.0	833.0	1160.0	1330.0	712.0	1122.0	953.0	1340.0	1538.0	824.0	1299.0	1106.0	1550.0	1780.0	956.0	1494.0
A-172 75Kw	955.0	783.0	1090.0	1251.0	667.0	1043.0	895.0	1244.0	1428.0	762.0	1205.0	1023.0	1438.0	1651.0	884.0	1394.0	1186.0	1662.0	1908.0	1024.0	1601.0
A-181 37Kw	1060.0	869.0	1210.0	1388.0	742.0	1158.0	992.5	1382.0	1588.0	848.5	1340.0	1138.0	1598.0	1836.0	984.0	1550.0	1318.0	1850.0	2125.0	1142.0	1782.0
A-181 45Kw	1127.0	923.0	1283.5	1473.8	788.0	1230.0	1055.0	1465.8	1684.0	902.0	1421.0	1210.0	1697.0	1946.0	1045.0	1646.0	1400.0	1965.0	2255.0	1212.0	1892.0
A-181 55Kw	1185.0	970.0	1350.0	1550.0	828.0	1292.0	1108.0	1540.0	1770.0	947.0	1494.0	1268.0	1780.0	2044.0	1096.0	1729.0	1470.0	2065.0	2370.0	1274.0	1988.0
A-181 75Kw	1277.5	1047.0	1457.0	1673.0	892.5	1395.0	1196.0	1664.0	1909.5	1021.0	1612.0	1370.0	1923.5	2208.0	1181.8	1865.0	1588.0	2230.0	2555.0	1374.0	2142.5
A-181 100Kw	1356.0	1110.0	1545.0	1775.0	947.0	1480.0	1267.1	1763.5	2025.0	1082.0	1710.0	1451.0	2038.0	2340.0	1254.0	1976.0	1683.0	2358.0	2708.0	1455.0	2270.0
A-190 45Kw	1401.0	1150.0	1597.0	1833.0	980.0	1532.0	1311.0	1825.0	2094.0	1123.0	1768.0	1505.0	2110.0	2425.0	1301.0	2050.0	1745.0	2443.0	2805.0	1508.0	2357.0
A-190 55Kw	1484.0	1215.5	1693.0	1945.0	1038.0	1622.0	1390.0	1932.0	2218.0	1189.0	1871.0	1592.0	2232.0	2564.0	1375.0	2171.0	1844.0	2590.0	2970.0	1597.0	2495.0
A-190 75Kw	1608.0	1318.0	1835.0	2105.0	1125.0	1759.0	1506.0	2094.0	2405.0	1286.0	2028.0	1725.0	2421.0	2784.0	1492.0	2350.0	2002.0	2805.0	3218.0	1730.0	2704.0
A-190 100Kw	1711.0	1402.0	1950.5	2241.0	1195.0	1869.0	1602.0	2231.8	2557.0	1367.0	2157.0	1833.0	2578.0	2957.0	1583.0	2501.0	2124.0	2980.0	3421.0	1840.0	2871.0
A-190 135Kw	1864.0	1528.0	2125.0	2442.0	1300.0	2036.0	1746.0	2426.0	2784.0	1486.5	2351.0	1996.0	2800.0	3215.0	1725.0	2717.0	2312.0	3241.0	3720.0	1998.0	3122.0

Condition Reference #	36	37	38	39	40	41	42	43	44	45	46	47	48	49
Wet Bulb °C	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	5	5.56	5	5
Approach °C	4	6	7	4	7	4	6	7	4	7	6	3.89	5	4
Inlet Water Temperature °C	39	41	42	41	44	42.2	44.2	45.2	44.2	47.2	32	35.00	37	37
Outlet Water Temperature °C	33	35	36	33	36	36.2	38.2	39.2	36.2	39.2	27	29.44	32	32
Model No. All Single Cell A-37 to A-190														
A-37 0.75Kw	33.8	47.5	54.7	28.9	46.3	37.3	55.8	64.0	34.0	54.4	36.0	29.4	41.2	35.8
A-37 1.1Kw	37.7	53.1	60.8	32.5	51.6	44.1	62.2	71.3	38.2	60.5	40.3	32.6	45.8	39.8
A-37 1.5Kw	40.5	56.6	65.1	34.7	55.2	47.1	66.6	76.5	40.7	64.9	43.3	34.7	49.1	42.6
A-37 2.2Kw	45.6	63.6	73.0	38.9	61.8	52.8	74.5	85.8	45.7	72.6	48.8	39.3	55.1	48.1
A-37 3.75Kw	51.4	71.7	85.2	43.8	69.6	59.6	84.0	96.5	51.5	81.6	55.2	44.3	62.1	54.1
A-46 1.1Kw	46.5	67.3	77.6	41.7	65.6	56.4	79.0	91.0	49.2	77.2	51.8	41.8	58.5	51.0
A-46 1.5Kw	52.7	73.3	84.5	45.4	71.6	61.3	86.2	98.5	53.0	83.9	56.2	45.6	63.6	55.4
A-46 2.2Kw	59.0	82.1	94.2	50.5	79.8	68.5	96.3	110.4	59.6	93.9	63.0	50.9	71.0	62.2
A-46 3.75Kw	68.3	94.7	108.7	58.5	92.3	79.5	111.0	127.5	68.9	108.4	73.0	58.9	82.2	71.8
A-46 5.5Kw	73.7	102.3	117.5	63.2	99.5	85.5	119.8	137.5	74.2	116.7	78.7	63.6	88.8	77.6
A-55 1.1Kw	58.5	81.4	93.4	50.4	79.5	68.1	95.5	109.4	56.6	93.2	62.2	50.6	70.4	61.6
A-55 1.5Kw	64.4	89.5	102.6	55.4	87.2	75.0	105.0	120.4	65.1	102.4	68.6	55.6	77.5	67.8
A-55 2.2Kw	72.3	100.4	115.2	62.2	97.9	69.6	117.8	135.1	73.0	115.0	77.0	62.4	87.2	76.0
A-55 3.75Kw	83.4	115.8	132.8	71.5	112.7	91.6	129.4	155.7	84.2	132.4	88.8	71.9	100.3	87.7
A-55 5.5Kw	89.7	124.5	142.9	77.0	121.2	104.2	146.0	167.4	90.4	142.4	95.7	77.4	108.0	94.4
A-55 7.5Kw	98.6	137.0	157.0	84.6	133.3	114.5	160.4	183.9	99.4	156.3	105.5	85.2	118.8	103.8
A-64 1.5Kw	77.5	107.6	123.4	66.6	104.9	90.1	126.3	144.9	78.4	123.0	82.3	66.8	93.2	81.3
A-64 2.2Kw	85.9	119.4	137.1	73.7	116.2	99.8	139.8	160.5	86.8	136.7	91.5	74.0	103.4	90.2
A-64 3.75Kw	100.2	139.0	159.7	86.0	135.6	116.5	163.2	187.5	101.2	159.2	106.8	86.5	120.5	105.3
A-64 5.5Kw	110.5	153.5	176.0	94.8	149.2	128.5	179.8	206.3	111.3	174.4	118.0	95.2	133.0	116.2
A-64 7.5Kw	117.3	162.8	186.8	100.5	158.5	136.2	191.0	219.0	118.2	186.0	125.3	101.2	141.2	123.5
A-64 9.3Kw	125.5	174.5	200.0	107.5	169.5	145.8	204.5	NA	126.3	199.0	134.2	107.0	151.2	132.2
A-73 2.2Kw	105.6	146.5	168.0	90.7	142.8	122.8	172.0	197.2	106.8	168.0	112.2	91.0	127.0	111.0
A-73 3.75Kw	122.5	170.0	195.0	105.0	165.5	142.2	199.4	228.8	123.5	194.5	130.5	105.5	147.4	128.8
A-73 5.5Kw	135.2	187.8	215.4	116.0	182.8	157.2	220.0	252.4	136.5	214.8	144.0	116.6	162.6	142.2
A-73 7.5Kw	148.2	205.6	236.0	127.0	200.2	172.0	241.0	276.4	149.5	235.0	158.0	127.8	178.5	155.8
A-73 9.3Kw	155.0	215.5	247.2	133.0	209.6	180.0	252.0	289.5	156.2	245.8	165.4	134.0	186.8	163.0
A-82 2.2Kw	111.8	154.8	177.5	96.0	151.0	130.0	181.0	208.0	113.0	177.4	118.5	96.0	134.0	117.2
A-82 3.75Kw	132.8	183.5	210.8	113.5	179.0	154.0	215.5	247.0	133.5	210.5	140.8	113.8	159.0	139.0
A-82 5.50Kw	146.3	203.0	233.5	125.5	197.8	170.3	238.1	273.0	147.5	232.5	155.8	125.8	176.0	154.0
A-82 7.50Kw	160.0	221.8	254.8	137.0	216.0	186.0	260.0	298.5	161.0	253.5	170.5	137.5	192.5	168.0
A-82 9.3Kw	167.5	232.5	267.0	143.8	226.3	194.5	273.0	313.0	169.0	266.0	179.0	144.5	202.0	176.5
A-82 11Kw	173.3	240.0	276.0	148.3	233.8	201.0	281.5	323.0	174.5	274.5	184.0	149.0	208.5	182.0
A-91 3.75Kw	148.2	205.5	236.0	127.2	200.5	172.5	241.2	276.8	149.8	235.5	157.5	127.6	178.0	156.0
A-91 5.5Kw	166.0	230.0	264.2	142.2	224.2	192.6	270.0	309.8	167.5	263.4	176.4	143.0	199.4	174.2
A-91 7.5Kw	177.6	246.6	283.0	152.4	240.2	206.5	289.4	332.0	179.4	282.2	189.2	153.0	214.0	187.0
A-91 9.3Kw	190.4	264.6	303.6	163.4	257.5	221.5	310.0	356.0	192.0	302.4	203.2	164.5	229.2	200.4
A-91 11Kw	199.0	276.4	317.0	170.5	269.0	231.0	324.0	371.4	200.5	315.6	212.2	171.6	239.4	209.2
A-91 15Kw	212.8	296.0	339.5	182.5	288.0	247.2	347.0	397.2	214.4	338.0	227.5	184.0	256.4	224.0
A-100 7.5Kw	236.2	328.0	377.0	203.0	320.0	275.0	385.0	441.5	238.8	375.6	251.8	204.0	284.4	248.8
A-100 9.3Kw	251.2	348.8	400.4	215.4	340.0	292.0	408.8	469.0	253.5	399.0	267.6	216.8	302.4	264.4
A-100 11Kw	260.2	362.0	415.0	223.6	352.0	303.0	424.0	486.0	262.5	414.0	278.0	224.4	314.0	274.0
A-100 15Kw	280.4	390.0	447.0	240.4	379.0	325.8	456.4	524.0	282.8	444.8	300.0	242.0	338.0	295.0
A-100 18.3Kw	294.0	408.0	468.0	252.0	396.8	341.5	478.0	NA	296.0	466.0	314.0	254.0	354.0	309.4
A-109 9.3Kw	296.0	411.0	472.0	253.8	400.0	343.8	482.0	553.0	298.5	460.0	315.0	254.8	356.0	311.0
A-109 11Kw	311.0	430.3	493.0	265.5	418.5	360.0	504.0	578.0	312.5	492.0	330.0	267.0	373.0	325.5
A-109 15Kw	335.0	465.0	533.0	287.0	452.0	389.0	545.0	625.0	337.5	531.0	357.0	289.0	403.0	352.0
A-109 18.3Kw	351.5	487.5	560.0	301.0	475.0	408.0	571.0	656.0	354.0	557.0	375.0	303.0	423.0	370.0
A-109 22Kw	366.2	508.0	582.5	313.5	494.0	425.0	595.0	682.0	369.0	580.0	390.0	316.0	441.0	385.0
A-118 11Kw	373.0	518.0	595.0	319.8	505.0	434.0	607.0	697.0	377.0	593.0	397.0	321.5	449.0	392.0
A-118 15Kw	409.0	568.0	652.0	351.0	553.0	476.0	666.0	765.0	413.0	650.0	436.0	352.5	492.0	430.0
A-118 18.3Kw	430.0	598.0	685.0	369.0	581.0	500.0	700.0	803.0	434.0	683.0	459.0	371.0	517.5	452.0
A-118 22Kw	449.0	623.5	716.0	385.0	607.0	522.0	731.0	838.0	452.8	712.5	480.0	388.0	540.5	473.0
A-118 30Kw	475.2	660.0	758.0	408.0	642.0	552.0	773.0	887.0	479.0	755.0	508.0	410.0	572.5	501.0
A-127 15 Kw	476.0	660.0	758.0	408.0	643.0	553.0	775.0	888.5	480.0	755.5	506.0	410.0	571.8	500.0
A-127 18.3 Kw	500.0	695.0	798.0	429.0	676.0	582.0	815.0	935.0	505.0	795.0	533.0	432.0	602.0	525.8
A-127 22 Kw	522.0	725.0	832.0	448.0	706.0	607.0	850.0	974.5	526.0	829.0	556.0	450.0	628.0	549.0
A-127 30 Kw	561.0	780.0	895.0	481.0	759.0	652.0	914.0	1047.0	566.0	890.5	599.0	484.0	675.5	591.0
A-127 37 Kw	588.0	816.0	936.0	504.0	794.0	682.5	955.5	1096.0	592.0	932.0	628.0	507.0	708.0	619.0
A-136 18.3Kw	574.5	798.0	917.0	493.0	778.0	668.0	936.0	1074.0	580.0	914.0	612.0	495.0	692.0	604.0
A-136 22Kw	600.0	833.0	958.0	515.0	811.5	698.0	978.0	1122.0	605.5	954.0	640.0	518.0	722.0	631.0
A-136 30Kw	651.0	903.5	1038.0	558.0	880.0	755.8	1060.0	1216.0	657.0	1034.0	695.0	562.0	785.0	684.5
A-136 37Kw	682.0	947.0	1087.0	585.0	922.0	792.5	1110.0	1273.0	688.0	1084.0	728.0	589.0	822.0	718.0
A-136 45Kw	715.0	992.0	1138.0	612.5	965.0	830.0	1161.5	1332.0	719.5	1132.5	764.0	617.0	860.0	751.5
A-145 18.3Kw	657.0	910.5	1045.0	563.0	888.0	763.0	1068.0	1225.5	662.0	1042.5	699.0	565.0	788.5	690.0
A-145 22Kw	690.0	957.0	1100.0	592.0	932.0	801.0	1122.5	1290.0	696.0	1096.0	734.0	595.0	830.0	726.0
A-145 30Kw	755.0	1048.0	1202.0	647.0	1019.0	876.0	1228.0	1410.0	760.0	1198.0	805.0	650.0	908.0	794.0
A-145 37Kw	794.0	1102.0	1265.0	680.5	1072.0	922.0	1292.0	1483.0	800.0	1260.0	846.0	685.0	955.0	834.5
A-145 45Kw	827.5	1150.0	1319.0	710.0	1119.0	963.0	1348.0	1545.0	834.0	1312.5	883.5	715.0	998.0	872.0
A-154 22Kw	779.0	1082.0	1242.0	669.0	1055.0	906.0	1271.0	1456.0	786.0	1239.0	830.0	672.0	938.0	819.0
A-154 30Kw	847.0	1178.0	1350.5	727.0	1146.0	985.0	1380.0	1585.0	855.0	1347.0	904.0	730.0	1021.0	891.0
A-154 37Kw	892.0	1240.0	1422.5	766.0	1207.0	1037.0	1452.0	1665.0	899.0	1416.0	952.0	769.0	1074.0	938.0
A-154 45Kw	930.0	1292.0	1484.0	798.0	1258.0	1082.0	1515.0	1738.0	939.0	1478.0	994.0	802.0	1121.0	979.0
A-154 55Kw	976.0	1353.0	1553.0	836.0	1317.0	1132.0	1585.0	1819.0	982.0	1548.0	1042.0	842.0	1175.0	1025.0
A-163 22 Kw	855.0	1187.0	1362.0	733.0	1155.0	992.0	1390.0	1595.0	862.0	1359.0	908.0	735.0	1026.0	897.0
A-163 30 Kw	935.0	1300.0	1493.0	803.0	1267.0	1088.0	1523.0	1750.0	945.0	1487.0	997.0	807.0	1125.0	985.0
A-163 37 Kw	987.0	1373.5	1575.0	848.0	1335.0	1150.0	1607.0	1845.0	997.0	1568.0	1052.0	852.0	1189.0	1038.0
A-163 45 Kw	1031.0	1430.0	1640.0	883.5	1393.0	1197.0	1675.0	1925.0	945.0	1635.0	1097.0	888.0	1240.0	1083.0
A-163 55 Kw	1086.0	1508.0	1730.0	931.0	1467.0	1260.0	1765.0	2025.0	862.0	1720.0	1157.0	935.0	1305.0	1140.0
A-172 30Kw	1052.0	1461.0	1674.0	903.0	1423.0	1222.0	1713.0	1965.0	1062.0	1671.0	1119.0	906.0	1266.0	1105.0
A-172 37Kw	1109.0	1541.0	1772.0	953.0	1502.0	1290.0	1810.0	2075.0	1120.0	1765.0	1182.0	956.0	1338.0	1167.0
A-172 45Kw	1162.0	1613.0	1851.0	996.0	1572.0	1350.0	1893.0	2169.0	1171.0	1845.0	1238.0	1002.0	1400.0	1222.0
A-172 55Kw	1224.0	1702.0	1951.0	1050.0	1655.0	1425.0	1992.0	2288.0	1234.0	1945.0	1306.0	1057.0	1474.0	1290.0
A-172 75Kw	1312.0	1822.0	2093.0	1125.0	1775.0	1528.0	2136.0	2448.0	1322.0	2082.0	1401.0	1135.0	1581.0	1381.0
A-181 37Kw	1461.0	2030.0	2330.0	1255.0	1978.0	1700.0	2380.0	2735.0	1478.0	2325.0	1557.0	1260.0	1760.0	1539.0
A-181 45Kw	1554.0	2155.0	2475.0	1333.0	2100.0	1805.0	2530.0	2900.0	1567.0	2468.0	1655.0	1340.0	1867.0	1635.0
A-181 55Kw	1630.0	2265.0	2600.0	1400.0	2205.0	1893.0	2655.0	3045.0	1645.0	2588.0	1739.0	1406.0	1960.0	1713.0
A-181 75Kw	1758.0	2440.0	2805.0	1506.8	2377.0	2044.0	2862.0	3282.0	1771.5	2790.0	1876.0	1517.0	2119.0	1851.0
A-181 100Kw	1865.0	2590.0	2970.0	1597.0	2519.0	2165.0	3030.0	3475.0	1878.0	2955.0	1990.0	1607.0	2246.0	1960.0
A-190 45Kw	1932.0	2685.0	3080.0	1660.0	2615.0	2245.0	3146.0	3610.0	1950.0	3070.0	2054.0	1665.0	2321.0	2032.0
A-190 55Kw	2046.0	2838.0	3260.0	1755.0	2765.0	2380.0	3336.0	3827.0	2063.0	3250.0	2180.0	1761.0	2460.0	2150.0
A-190 75Kw	2214.0	3080.0	3530.0	1900.0	2995.0	2575.0	3610.0	4138.0	2234.0	3521.0	2362.0	1910.0	2668.0	2328.0
A-190 100Kw	2355.0	3270.0	3755.0	2020.0	3185.0	2735.0	3834.0	4396.0	2375.0	3740.0	2512.0	2030.0	2833.0	2480.0
A-190 135Kw	2561.0	3555.0	4080.0	2195.0	3460.0	2975.0	4170.0	4780.0	2581.0	4060.0	2735.0	2211.0	3090.0	2695.0

Advance 2020 Series A R3, 2016 **Twin Cell Arrangement** **All Flows in CMH**

Condition Reference #	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
Wet Bulb °C	10.00	10.00	10.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	16.00	16.00	16.00	16.00
Range °C	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00
Approach °C	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00
Inlet Water Temperature °C	20.00	22.00	23.00	22.00	25.00	23.00	25.00	26.00	25.00	28.00	26.00	28.00	29.00	28.00
Outlet Water Temperature °C	14.00	16.00	17.00	14.00	17.00	17.00	19.00	20.00	17.00	20.00	20.00	22.00	23.00	20.00
Model No. A-37 to A-190 Twin Cell														
A-37 0.75Kw	NA	38.60	44.35	NA	36.70	NA	43.65	50.25	NA	41.6	35.6	49.8	57.1	NA
A-37 1.1Kw	NA	43.20	49.50	NA	41.00	34.90	48.75	56.10	NA	46.5	39.8	55.5	63.8	33.9
A-37 1.5Kw	NA	46.30	53.25	NA	44.00	37.60	52.35	60.25	NA	50.0	42.7	59.6	68.5	36.3
A-37 2.2Kw	37.40	52.20	60.00	NA	49.60	42.25	59.10	68.00	35.85	56.3	48.0	67.1	77.3	40.8
A-37 3.75Kw	42.35	59.20	60.10	35.85	56.25	47.90	67.00	77.00	40.60	63.8	54.4	76.1	87.5	46.2
A-46 1.1Kw	NA	55.15	63.25	NA	52.50	NA	62.35	71.60	NA	59.5	50.9	70.8	81.3	NA
A-46 1.5Kw	NA	60.00	68.80	NA	57.25	NA	68.00	77.80	NA	64.8	55.5	77.2	88.5	NA
A-46 2.2Kw	NA	67.40	77.25	NA	64.20	54.75	76.25	87.50	NA	72.8	62.3	86.5	99.3	53.0
A-46 3.75Kw	56.40	78.50	90.00	NA	74.70	63.75	88.75	101.75	54.20	84.7	72.3	100.8	115.8	61.6
A-46 5.5Kw	61.10	85.00	97.50	51.80	80.85	69.00	96.20	110.25	58.70	91.8	78.3	109.0	122.3	66.7
A-55 1.1Kw	NA	65.75	75.25	NA	62.50	53.50	74.25	85.00	NA	70.8	60.8	84.3	166.3	51.8
A-55 1.5Kw	52.00	72.25	82.75	NA	68.70	58.75	81.50	93.75	NA	78.0	66.8	92.8	150.3	56.9
A-55 2.2Kw	58.50	81.25	93.25	NA	77.40	66.00	92.00	105.50	56.25	87.8	75.0	104.3	139.0	64.0
A-55 3.75Kw	67.75	94.25	108.25	57.70	89.75	76.75	106.50	122.50	65.25	101.8	87.0	121.0	119.8	74.2
A-55 5.5Kw	73.25	102.00	117.00	62.25	97.00	82.75	115.25	132.50	70.50	110.0	94.0	130.8	106.3	80.0
A-55 7.5Kw	81.00	112.75	129.50	68.75	107.25	91.50	127.50	146.50	77.75	121.5	104.0	144.8	96.8	88.5
A-64 1.5Kw	64.00	88.75	102.00	54.40	84.50	72.25	100.50	115.25	61.60	96.0	82.0	114.0	131.0	70.0
A-64 2.2Kw	97.75	98.50	113.00	60.30	93.80	80.25	115.00	128.00	68.25	106.5	91.0	126.8	145.5	77.6
A-64 3.75Kw	92.00	115.50	132.50	70.50	110.00	93.75	130.50	149.75	79.75	124.5	106.5	148.3	170.3	90.8
A-64 5.5Kw	83.00	128.00	146.75	78.00	121.75	103.75	144.50	166.00	88.25	137.8	117.8	164.3	188.5	100.5
A-64 7.5Kw	71.00	136.00	156.25	83.00	129.50	110.50	153.75	176.50	94.00	146.8	125.5	174.8	200.5	107.5
A-64 9.3Kw	105.00	146.25	168.00	89.00	139.00	118.75	165.25	189.75	100.75	157.5	134.8	187.5	215.5	114.5
A-73 2.2Kw	86.70	120.00	138.00	NA	114.50	97.80	136.00	156.00	83.40	129.8	111.0	154.3	177.5	94.8
A-73 3.75Kw	100.80	139.80	160.30	85.50	133.10	113.80	158.00	181.30	96.80	150.8	129.0	179.5	206.0	110.0
A-73 5.5Kw	111.50	155.00	177.80	94.80	147.50	126.00	175.30	201.10	107.30	167.3	143.0	199.0	228.5	121.8
A-73 7.5Kw	122.80	170.50	196.00	104.30	162.50	138.50	193.00	221.50	118.00	184.0	157.3	219.0	251.5	134.0
A-73 9.3Kw	128.80	179.00	205.50	109.30	170.30	145.50	202.30	232.50	123.50	193.0	165.0	229.5	263.5	140.3
A-82 2.2Kw	NA	127.00	145.75	NA	121.25	103.50	143.75	165.00	NA	137.3	117.5	163.3	187.0	NA
A-82 3.75Kw	108.75	151.00	173.25	NA	143.50	123.00	170.75	196.00	104.75	163.0	139.5	194.0	222.5	119.0
A-82 5.50Kw	120.75	167.50	192.25	102.50	159.50	136.50	189.50	217.50	116.00	181.0	154.8	215.0	247.0	132.0
A-82 7.50Kw	132.25	184.00	211.00	112.25	175.00	149.50	208.00	238.50	127.00	198.3	169.5	236.0	271.0	144.5
A-82 9.3Kw	139.00	193.00	222.00	118.00	184.00	157.00	218.50	250.50	133.50	208.3	178.0	248.0	284.5	151.8
A-82 11Kw	143.60	199.75	229.25	122.00	190.25	162.50	226.00	259.50	138.00	215.5	184.3	256.5	294.5	156.8
A-91 3.75Kw	NA	168.00	193.00	NA	160.25	137.00	190.00	218.00	NA	181.5	155.5	216.0	248.0	NA
A-91 5.5Kw	135.75	188.50	216.50	NA	179.75	153.50	213.50	245.00	NA	203.8	174.5	242.5	278.5	148.5
A-91 7.5Kw	146.00	203.00	232.50	NA	193.00	165.00	229.50	263.00	140.25	219.0	187.0	260.5	299.0	159.8
A-91 9.3Kw	157.00	218.50	250.00	NA	208.00	177.50	247.00	283.50	151.00	235.5	201.5	280.5	322.0	171.5
A-91 11Kw	164.50	228.50	262.00	NA	217.50	185.50	258.00	296.50	158.00	246.5	210.8	293.0	336.5	179.5
A-91 15Kw	176.50	245.50	282.00	149.75	233.50	199.50	277.50	318.50	169.50	264.5	226.5	315.0	362.0	192.5
A-100 7.5Kw	193.00	268.00	307.50	NA	255.00	218.00	303.00	348.00	185.50	289.5	247.5	344.0	395.0	211.0
A-100 9.3Kw	205.50	286.00	328.00	NA	272.00	232.50	323.00	371.00	197.50	308.5	264.0	367.0	421.0	224.5
A-100 11Kw	213.50	297.00	341.00	NA	282.50	241.00	335.50	385.00	205.00	320.0	274.0	381.0	438.0	233.0
A-100 15Kw	231.00	321.00	369.00	196.00	305.50	261.00	363.00	417.00	222.00	346.0	296.0	412.0	473.0	252.0
A-100 18.3Kw	242.50	337.30	387.50	206.00	321.00	274.00	381.00	437.50	233.00	364.0	311.0	433.0	497.0	264.5
A-109 9.3Kw	239.50	332.50	381.50	NA	317.00	271.00	376.00	432.00	NA	359.0	384.0	427.0	490.0	262.0
A-109 11Kw	251.00	349.00	400.00	NA	332.00	283.50	395.00	452.50	241.50	376.5	368.0	448.0	514.0	274.5
A-109 15Kw	272.50	379.00	434.50	NA	360.50	308.00	428.00	491.50	262.00	409.0	349.0	486.0	558.0	298.0
A-109 18.3Kw	287.00	399.00	458.00	243.50	379.50	324.00	451.00	517.00	275.50	430.0	322.0	512.0	587.5	313.0
A-109 22Kw	299.50	416.00	478.00	254.00	396.00	338.50	471.00	540.00	287.50	449.0	307.5	534.0	613.0	327.0
A-118 11Kw	306.00	424.00	487.00	NA	404.00	345.00	480.00	551.00	NA	458.0	392.0	545.0	626.0	334.0
A-118 15Kw	336.50	468.00	537.00	NA	445.00	380.00	528.00	607.00	323.00	504.0	432.0	600.0	690.0	368.0
A-118 18.3Kw	355.00	493.00	565.00	NA	469.00	401.00	557.00	640.00	341.00	532.0	454.0	632.0	726.0	387.0
A-118 22Kw	371.00	516.00	592.00	315.00	491.00	419.00	583.00	670.00	356.50	556.0	475.5	662.0	760.0	405.0
A-118 30Kw	394.00	548.00	629.00	334.00	521.00	445.00	619.00	711.00	378.00	591.0	505.0	703.0	807.0	430.0
A-127 15 Kw	389.00	540.00	619.00	NA	514.00	439.00	611.00	701.00	374.00	583.0	499.0	693.0	797.0	425.0
A-127 18.3 Kw	410.00	569.00	653.00	NA	542.00	463.00	644.00	739.00	394.00	614.0	525.0	731.0	839.0	448.0
A-127 22 Kw	428.00	596.00	683.00	NA	567.00	484.00	673.00	773.00	412.00	642.0	549.0	764.0	878.0	408.0
A-127 30 Kw	463.00	643.00	738.00	393.00	612.00	522.00	727.00	835.00	444.00	694.0	593.0	826.0	948.0	505.0
A-127 37 Kw	485.00	675.00	775.00	412.00	642.00	548.00	764.00	876.00	466.00	728.0	623.0	866.0	996.0	530.0
A-136 18.3Kw	468.00	650.00	746.00	NA	619.00	529.00	735.00	843.00	NA	702.0	600.0	835.0	959.0	512.0
A-136 22Kw	490.00	680.00	781.00	NA	648.00	553.00	769.00	883.00	471.00	738.0	628.0	873.0	1003.0	535.0
A-136 30Kw	533.00	741.00	850.00	NA	705.00	602.00	838.00	961.00	512.00	800.0	683.0	951.0	1093.0	582.0
A-136 37Kw	560.00	779.00	895.00	476.00	741.00	633.00	880.00	1011.00	538.00	840.0	718.0	1000.0	1149.0	611.0
A-136 45Kw	589.00	819.00	939.00	499.00	778.00	665.00	925.00	1063.00	565.00	882.0	755.0	1050.0	1205.0	642.0
A-145 18.3Kw	538.00	747.00	857.00	NA	711.00	608.00	845.00	970.00	NA	806.0	689.0	958.0	1100.0	583.0
A-145 22Kw	566.00	787.00	902.00	NA	749.00	640.00	890.00	1020.00	545.00	848.0	725.0	1010.0	1160.0	618.0
A-145 30Kw	621.00	863.00	990.00	NA	822.00	703.00	976.00	1120.00	597.00	932.0	797.0	1108.0	1273.0	678.0
A-145 37Kw	656.00	912.00	1045.00	556.00	867.00	740.00	1030.00	1183.00	630.00	983.0	840.0	1170.0	1343.0	715.0
A-145 45Kw	686.00	953.00	1093.00	582.00	906.00	775.00	1078.00	1238.00	658.00	1028.0	878.0	1223.0	1405.0	748.0
A-154 22Kw	637.00	885.00	1014.00	NA	840.00	718.00	998.00	1145.00	NA	953.0	815.0	1137.0	1305.0	696.0
A-154 30Kw	698.00	970.00	1113.00	NA	923.00	790.00	1098.00	1260.00	671.00	1047.0	895.0	1247.0	1430.0	763.0
A-154 37Kw	733.00	1018.00	1168.00	NA	970.00	829.00	1151.00	1322.00	704.00	1100.0	939.0	1307.0	1503.0	801.0
A-154 45Kw	767.00	1065.00	1223.00	651.00	1015.00	865.00	1206.00	1383.00	736.00	1150.0	989.0	1368.0	1570.0	837.0
A-154 55Kw	809.00	1123.00	1290.00	685.00	1070.00	912.00	1270.00	1458.00	775.00	1458.0	1035.0	1443.0	1655.0	881.0
A-163 22 Kw	NA	965.00	1106.00	NA	918.00	786.00	1090.00	1253.00	NA	1042.0	890.0	1238.0	1423.0	760.0
A-163 30 Kw	763.00	1060.00	1218.00	NA	1010.00	864.00	1200.00	1378.00	NA	1145.0	980.0	1363.0	1565.0	835.0
A-163 37 Kw	808.00	1123.00	1288.00	NA	1068.00	913.00	1270.00	1458.00	776.00	1212.0	1037.0	1440.0	1655.0	883.0
A-163 45 Kw	845.00	1172.00	1345.00	NA	1117.00	953.00	1325.00	1523.00	810.00	1256.0	1083.0	1505.0	1730.0	923.0
A-163 55 Kw	890.00	1240.00	1423.00	757.00	1187.00	1008.00	1400.00	1608.00	855.00	1335.0	1143.0	1590.0	1825.0	973.0
A-172 30Kw	NA	1198.00	1372.00	NA	1139.00	973.00	1352.00	1552.00	NA	1293.0	1104.0	1536.0	1764.0	942.0
A-172 37Kw	913.00	1268.00	1455.00	NA	1206.00	1031.00	1432.00	1645.00	876.00	1368.0	1169.0	1628.0	1870.0	998.0
A-172 45Kw	958.00	1328.00	1527.00	NA	1266.00	1080.00	1504.00	1725.00	920.00	1433.0	1226.0	1708.0	1962.0	1045.0
A-172 55Kw	1011.00	1406.00	1612.00	859.00	1337.00	1143.00	1587.00	1825.00	970.00	1514.0	1295.0	1805.0	2069.0	1104.0
A-172 75Kw	1088.00	1512.00	1735.00	922.00	1440.00	1229.00	1710.00	1965.00	1043.00	1630.0	1394.0	1940.0	2227.0	1187.0
A-181 37Kw	1544.00	2147.00	2463.00	1310.00	2040.00	1740.00	2427.00	2785.00	1480.00	2310.0	1975.0	2755.5	3162.0	1685.0
A-181 45Kw	1450.00	2018.00	2317.50	1233.00	1920.00	1640.00	2282.00	2618.00	1395.50	2177.0	1860.0	2590.0	2975.0	1585.0
A-181 55Kw	1342.00	1864.00	2135.00	NA	1775.00	1515.00	2108.30	2420.00	1290.00	2011.8	1720.0	2390.0	2748.0	1466.0
A-181 75Kw	1276.00	1771.00	2032.00	NA	1685.00	1440.00	2003.50	2300.00	1225.00	1910.0	1636.0	2275.0	2610.0	1393.0
A-181 100Kw	NA	1665.00	1910.00	NA	1586.00	1355.00	1880.00	2160.00	NA	1795.0	1536.0	2139.0	2455.0	1311.0
A-190 45Kw	NA	2195.00	2520.00	NA	2092.00	1790.00	2485.00	2850.00	NA	2370.0	2030.0	2820.0	3240.0	1730.0
A-190 55Kw	1677.00	2330.00	2670.00	NA	2220.00	1895.00	2635.00	3020.00	NA	2515.0	2150.0	2990.0	3438.0	1835.0
A-190 75Kw	1820.00	2530.00	2905.00	NA	2410.00	2060.00	2860.00	2290.00	1750.00	2730.0	2335.0	3250.0	3730.0	1990.0
A-190 100Kw	1945.00	2700.00	3100.00	1650.00	2570.00	2195.00	3050.00	3505.00	1865.00	2910.0	2490.0	3465.0	3980.0	2120.0
A-190 135Kw	2120.00	2946.00	3385.00	1800.00	2805.00	2395.00	3330.00	3825.00	2035.00	3180.0	2720.0	3785.0	4345.0	2315.0

Condition Reference #	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00	31.00	32.00	33.00	34.00	35.00
Wet Bulb °C	16.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	21.00	21.00	21.00	24.00	24.00	24.00	24.00	24.00	27.00	27.00	27.00	27.00	27.00
Range °C	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00
Approach °C	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00
Inlet Water Temperature °C	31.00	28.00	30.00	31.00	30.00	33.00	31.00	33.00	34.00	33.00	36.00	34.00	36.00	37.00	36.00	39.00	37.00	39.00	40.00	39.00	42.00
Outlet Water Temperature °C	23.00	22.00	24.00	25.00	22.00	25.00	25.00	27.00	28.00	25.00	28.00	28.00	30.00	31.00	28.00	31.00	31.00	33.00	34.00	31.00	34.00
A-37 0.75Kw	47.5	38.9	54.3	62.3	NA	51.9	44.4	62.0	71.3	37.9	60.1	57.0	71.8	82.5	44.0	69.7	59.0	83.3	95.8	51.0	80.1
A-37 1.1Kw	53.0	43.4	60.5	69.7	36.9	57.9	49.5	69.3	79.7	42.3	67.0	56.8	80.1	92.0	49.0	77.7	66.0	93.0	106.8	57.0	89.5
A-37 1.5Kw	56.9	46.6	65.0	74.8	39.7	62.3	53.3	74.3	85.5	45.4	72.0	61.0	86.0	99.0	52.5	83.4	70.8	99.8	114.8	67.1	96.0
A-37 2.2Kw	64.1	52.4	73.3	84.3	44.5	70.0	59.9	83.7	96.3	51.0	81.0	68.7	96.8	111.5	59.1	93.9	79.8	112.3	129.3	68.8	108.0
A-37 3.75Kw	72.7	59.4	83.0	95.5	50.5	79.4	67.9	94.9	109.3	57.8	91.7	77.8	109.8	126.3	66.9	106.3	90.3	127.3	146.3	77.8	122.3
A-46 1.1Kw	67.8	55.5	77.3	88.8	NA	74.2	63.5	88.3	101.3	54.3	85.6	72.8	102.0	117.3	63.0	99.3	84.3	118.3	135.8	73.0	114.0
A-46 1.5Kw	73.8	60.5	84.0	96.7	51.6	80.6	69.0	96.2	110.3	59.0	93.2	79.3	11.3	127.8	68.5	107.8	91.8	128.8	148.0	79.5	124.0
A-46 2.2Kw	82.8	67.8	94.3	108.3	57.8	90.3	77.5	107.8	123.8	66.2	104.5	88.8	124.5	143.0	76.8	121.0	103.0	144.5	165.8	89.0	139.3
A-46 3.75Kw	96.3	79.0	109.8	126.0	67.3	105.0	90.0	125.3	144.0	77.0	121.5	103.3	144.8	166.3	89.0	140.5	119.5	167.8	192.5	103.3	161.5
A-46 5.5Kw	104.3	85.5	119.0	136.5	72.8	113.8	97.5	135.8	156.0	83.3	131.5	117.8	156.8	180.0	96.3	152.0	129.3	181.5	208.3	111.8	174.8
A-55 1.1Kw	80.8	66.0	92.0	105.5	56.5	88.3	75.7	105.0	207.0	64.7	101.8	86.5	121.3	139.3	74.9	118.0	100.3	140.5	161.3	87.0	135.5
A-55 1.5Kw	88.8	72.8	101.0	116.0	62.2	96.8	83.0	115.5	187.0	71.0	112.0	95.0	133.5	153.5	82.3	129.8	110.3	154.8	177.8	95.5	149.3
A-55 2.2Kw	99.8	81.8	113.8	130.8	69.8	109.0	93.5	130.0	173.5	80.0	126.0	107.0	150.5	172.8	92.5	146.0	124.0	174.5	200.0	107.5	168.0
A-55 3.75Kw	115.8	95.0	132.0	151.8	81.0	126.5	108.5	151.0	149.3	92.5	146.3	124.3	174.3	200.3	107.3	169.3	143.8	202.0	232.3	124.5	194.5
A-55 5.5Kw	125.3	102.5	142.8	163.8	87.5	136.5	117.0	163.0	132.5	100.0	157.8	134.0	188.3	216.3	115.7	182.8	155.3	218.0	250.5	134.5	210.0
A-55 7.5Kw	138.3	113.5	158.0	181.3	96.5	151.0	129.3	180.3	120.5	110.5	174.3	148.3	208.0	239.0	127.8	201.8	171.5	241.0	277.0	148.5	213.8
A-64 1.5Kw	109.3	89.5	124.5	142.8	76.5	119.3	102.3	142.3	163.3	87.5	137.8	117.0	164.5	188.5	101.3	159.8	136.0	190.5	218.5	117.5	183.5
A-64 2.2Kw	121.3	99.3	138.3	158.5	84.8	132.3	113.5	157.8	181.3	97.0	153.0	129.8	182.5	209.5	112.5	177.3	15.5	211.5	243.0	130.5	204.0
A-64 3.75Kw	141.8	116.3	161.8	185.5	99.0	154.8	132.8	184.8	212.3	113.5	178.8	152.0	213.8	245.3	131.3	207.3	176.3	247.5	284.3	152.5	238.5
A-64 5.5Kw	157.0	128.5	179.0	205.5	109.5	171.3	146.8	204.5	235.0	125.3	198.0	168.0	236.5	271.5	145.3	229.0	194.8	273.5	314.3	168.5	263.5
A-64 7.5Kw	167.0	136.8	190.5	218.8	116.5	182.3	156.3	217.5	249.5	133.3	210.5	178.8	251.0	288.3	154.5	243.8	207.0	290.8	333.5	179.3	279.8
A-64 9.3Kw	179.3	146.8	204.5	234.8	125.0	195.8	167.5	233.5	268.0	143.0	225.8	191.8	267.5	309.5	165.5	261.5	222.5	312.0	358.5	192.3	300.3
A-73 2.2Kw	147.8	121.0	168.5	193.5	103.6	161.3	138.5	192.5	221.0	118.5	186.5	158.5	222.5	255.5	137.0	216.0	184.0	258.0	295.5	159.5	248.5
A-73 3.75Kw	171.8	141.0	196.0	225.0	120.3	187.5	161.0	223.5	257.0	137.5	217.0	184.5	258.5	297.0	159.3	251.5	214.0	300.0	344.5	185.0	289.0
A-73 5.5Kw	190.5	156.0	217.0	249.5	133.0	208.0	178.0	248.0	285.0	152.3	240.0	204.0	287.0	329.0	278.0	278.0	236.5	332.0	381.0	204.5	320.0
A-73 7.5Kw	209.5	171.4	239.0	274.0	146.3	228.5	196.0	273.0	313.0	167.5	264.0	224.5	315.0	362.0	306.0	306.0	260.0	365.0	419.0	225.0	351.5
A-73 9.3Kw	219.5	180.0	250.5	287.5	153.3	239.5	205.3	286.0	328.5	175.5	277.0	235.0	330.0	379.5	320.5	320.5	273.0	383.0	439.0	235.5	368.0
A-82 2.2Kw	156.3	128.0	178.3	204.3	109.5	204.5	146.3	203.3	233.5	125.3	197.3	167.5	235.0	270.0	145.0	228.5	194.5	272.5	312.5	263.3	262.5
A-82 3.75Kw	185.8	152.3	211.5	243.0	129.8	243.0	173.8	241.5	278.0	148.8	234.3	199.0	279.5	320.5	172.0	271.5	231.0	324.0	372.0	254.5	312.0
A-82 5.50Kw	206.0	168.8	235.0	270.0	144.0	269.5	192.8	268.0	308.0	164.8	260.0	221.0	310.0	356.0	191.0	301.0	256.0	359.0	412.5	242.5	346.0
A-82 7.50Kw	225.5	185.0	257.5	296.0	157.8	296.0	211.0	294.0	338.0	180.3	284.5	242.0	340.0	390.0	210.5	330.0	280.5	394.0	452.0	221.5	378.8
A-82 9.3Kw	237.0	194.5	270.5	310.5	165.5	310.5	222.0	308.5	354.3	189.3	299.0	254.0	357.0	410.0	219.5	346.0	294.5	413.0	474.0	199.8	397.8
A-82 11Kw	245.3	201.0	280.0	321.0	171.3	321.5	229.5	319.5	367.0	195.8	309.0	263.0	369.0	424.0	227.0	358.0	304.5	427.0	491.0	168.5	411.0
A-91 3.75Kw	206.5	169.5	235.5	270.5	144.8	226.0	193.5	269.4	309.0	165.5	261.0	222.0	311.0	357.0	192.0	302.5	257.0	223.0	414.0	223.0	247.5
A-91 5.5Kw	232.0	190.0	264.5	304.0	162.3	253.5	217.0	302.0	347.0	185.5	292.0	248.8	349.0	401.0	215.0	339.0	288.5	249.5	465.0	249.5	390.0
A-91 7.5Kw	249.0	204.5	284.0	326.5	174.0	272.0	233.5	324.5	373.0	199.3	314.5	267.0	375.0	431.0	231.0	364.5	310.0	268.0	499.0	268.0	419.0
A-91 9.3Kw	268.0	219.3	305.5	351.0	187.5	292.5	250.5	349.0	401.0	214.0	340.0	287.0	404.0	464.0	248.0	391.5	333.0	288.0	537.0	288.0	450.0
A-91 11Kw	280.5	229.5	319.5	367.5	196.0	306.0	262.5	365.0	419.5	224.0	352.5	300.5	422.0	484.5	259.5	409.5	348.0	301.0	561.0	301.0	470.5
A-91 15Kw	301.5	247.0	343.5	394.5	210.0	329.0	281.5	392.0	450.3	240.5	379.5	322.5	453.0	520.0	278.5	439.5	374.0	524.5	602.0	323.0	505.0
A-100 7.5Kw	329.5	270.0	376.0	431.0	230.5	360.0	308.0	429.0	493.0	263.5	416.0	353.0	496.0	570.0	305.0	482.0	410.0	575.0	660.0	354.5	554.0
A-100 9.3Kw	351.0	288.0	400.0	460.0	245.5	383.0	328.5	457.0	525.5	280.5	443.0	376.0	528.0	607.0	325.0	513.0	436.0	612.0	704.0	378.0	590.0
A-100 11Kw	364.5	299.0	416.0	477.0	254.5	398.0	341.0	475.0	545.0	291.0	460.0	391.0	548.5	630.0	337.0	532.0	453.0	636.0	730.0	392.0	611.8
A-100 15Kw	394.0	323.0	449.0	516.0	275.0	430.0	369.0	513.0	590.0	315.0	497.0	422.0	593.0	681.0	364.5	575.0	489.0	687.0	788.0	423.0	661.0
A-100 18.3Kw	414.0	339.0	472.0	542.0	289.0	452.0	387.0	539.0	618.5	330.0	522.0	443.0	623.0	715.0	382.5	604.0	514.0	721.0	827.0	444.0	694.0
A-109 9.3Kw	408.5	335.0	466.0	535.0	286.0	447.0	383.0	532.0	764.0	327.0	516.0	547.0	616.0	707.0	379.0	598.0	508.0	714.0	819.0	440.0	688.0
A-109 11Kw	428.5	351.0	489.0	561.0	299.5	468.0	401.0	558.0	732.0	343.0	541.0	525.0	645.0	741.0	397.0	627.0	533.0	748.0	860.0	461.0	721.0
A-109 15Kw	465.0	381.5	530.0	610.0	325.3	508.0	435.0	606.0	696.0	372.0	587.0	499.0	700.0	805.0	431.0	680.0	578.0	811.0	932.0	500.0	781.0
A-109 18.3Kw	489.0	401.0	558.0	641.0	341.5	534.0	458.0	637.0	642.0	391.0	617.0	460.0	737.0	741.0	453.0	714.5	608.0	854.0	980.0	526.0	822.0
A-109 22Kw	511.0	418.5	582.0	669.0	356.5	558.0	478.0	665.0	612.0	408.0	644.0	438.5	769.0	707.0	473.0	746.0	635.0	890.0	1023.0	548.0	857.0
A-118 11Kw	522.0	428.0	595.0	683.0	365.0	570.0	488.0	680.0	781.0	418.0	658.0	560.0	786.0	902.0	484.0	763.0	650.0	910.0	1045.0	562.0	877.0
A-118 15Kw	574.0	470.0	655.0	752.0	401.0	627.0	538.0	748.0	859.0	459.0	724.0	615.0	864.0	993.0	532.0	839.0	714.0	1002.0	1150.0	618.0	966.0
A-118 18.3Kw	605.0	496.0	690.0	792.0	423.0	660.0	566.0	788.0	905.0	483.0	763.0	648.0	910.0	1045.0	560.0	884.0	752.0	1054.0	1212.0	650.0	1016.0
A-118 22Kw	633.0	519.0	723.0	830.0	442.0	692.0	592.0	825.0	947.0	506.0	799.0	678.0	954.0	1095.0	586.0	925.0	787.0	1105.0	1267.0	680.0	1062.0
A-118 30Kw	672.0	550.0	766.0	880.0	469.0	734.0	629.0	875.0	1005.0	536.0	847.0	721.0	1012.0	1161.0	622.0	981.0	834.0	1171.0	1345.0	721.0	1128.0
A-127 15 Kw	663.0	544.0	756.0	869.0	464.0	725.0	621.0	864.0	992.0	531.0	837.0	711.0	999.0	1148.0	615.0	970.0	826.0	1158.0	1330.0	715.0	1117.0
A-127 18.3 Kw	699.0	573.0	798.0	915.0	489.0	764.0	654.0	910.0	1047.0	560.0	882.0	750.0	1053.0	1210.0	648.0	1022.0	869.0	1220.0	1403.0	753.0	1177.0
A-127 22 Kw	731.0	599.0	834.0	958.0	511.0	798.0	684.0	952.0	1094.0	584.0	922.0	784.0	1101.0	1263.0	677.0	1068.0	908.0	1275.0	1463.0	787.0	1229.0
A-127 30 Kw	789.0	640.0	901.0	1034.0	551.0	861.0	738.0	1028.0	1181.0	630.0	996.0	845.0	1188.0	1363.0	730.0	1153.0	981.0	1377.0	1580.0	847.0	1325.0
A-127 37 Kw	828.0	679.0	945.0	1086.0	578.0	905.0	776.0	1079.0	1240.0	661.0	1045.0	888.0	1247.0	1432.0	765.0	1209.0	1029.0	1443.0	1657.0	890.0	1389.0
A-136 18.3Kw	798.0	655.0	910.0	1047.0	551.0	861.0	747.0	1040.0	1195.0	639.0	1009.0	857.0	1203.0	1383.0	741.0	1169.0	993.0	1395.0	1603.0	860.0	1343.0
A-136 22Kw	836.0	685.0	953.0	1095.0	584.0	913.0	783.0	1089.0	1250.0	669.0	1055.0	895.0	1260.0	1447.0	775.0	1221.0	1040.0	1460.0	1675.0	900.0	1405.0
A-136 30Kw	910.0	745.0	1037.0	1191.0	635.0	993.0	851.0	1185.0	1360.0	727.0	1147.0	975.0	1370.0	1573.0	843.0	1330.0	1130.0	1585.0	1820.0	977.0	1527.0
A-136 37Kw	957.0	783.0	1090.0	1253.0	667.0	1045.0	895.0	1245.0	1430.0	763.0	1207.0	1025.0	1440.0	1655.0	885.0	1397.0	1187.0	1667.0	1915.0	1027.0	1605.0
A-136 45Kw	1003.0	822.0	1145.0	1315.0	700.0	1095.0	940.0	1307.0	1503.0	801.0	1263.0	1075.0	1510.0	1735.0	929.0	1465.0	1247.0	1750.0	2010.0	1077.0	1683.0
A-145 18.3Kw	917.0	753.0	1046.0	1200.0	642.0	1003.0	860.0	1195.0	1373.0	933.0	1158.0	985.0	1383.0	1586.0	850.0	1343.0	1140.0	1603.0	1840.0	988.0	1543.0
A-145 22Kw	966.0	792.0	1101.0	1265.0	675.0	1056.0	905.0	1258.0	1444.0	893.0	1218.0	1035.0	1456.0	1670.0	895.0	1413.0	1200.0	1688.0	1935.0	1040.0	1625.0
A-145 30Kw	1060.0	868.0	1210.0	1388.0	741.0	1158.0	992.0	1380.0	1586.0	848.0	1338.0	1138.0	1595.0	1835.0	982.0	1550.0	1318.0	1850.0	2125.0	1140.0	1780.0
A-145 37Kw	1118.0	916.0	1276.0	1465.0	782.0	1222.0	1048.0	1458.0	1675.0	772.0	1410.0	1200.0	1685.0	1935.0	1035.0	1635.0	1390.0	1950.0	2240.0	1203.0	1878.0
A-145 45Kw	1170.0	958.0	1333.0	1530.0	816.0	1276.0	1093.0	1522.0	1750.0	734.0	1473.0	1253.0	1760.0	2020.0	1080.0	1708.0	1450.0	2040.0	2340.0	1256.0	1960.0
A-154 22Kw	1087.0	890.0	1240.0	1425.0	761.0	1187.0	1017.0	1417.0	1625.0	870.0	1370.0	1163.0	1637.0	1880.0	1008.0	1590.0	1353.0	1900.0	2180.0	1170.0	1830.0
A-154 30Kw	1191.0	977.0	1360.0	1560.0	833.0	1303.0	1115.0	1553.0	1785.0	953.0	1503.0	1280.0	1795.0	2060.0	1103.0	1743.0	1480.0	2080.0	2390.0	1283.0	2003.0
A-154 37Kw	1250.0	1025.0	1425.0	1640.0	861.0	1365.0	1170.0	1630.0	1870.0	1000.0	1577.0	1340.0	1885.0	2165.0	1157.0	1827.0	1555.0	2180.0	2505.0	1345.0	2103.0
A-154 45Kw	1308.0	1073.0	1493.0	1715.0	913.0	1428.0	1225.0	1705.0	1955.0	1045.0	1660.0	1410.0	1970.0	2260.0	1210.0	1910.0	1625.0	2280.0	2620.0	1405.0	2195.0
A-154 55Kw	1378.0	1130.0	1573.0	1805.0	963.0	1505.0	1290.0	1795.0	2060.0	1100.0	1737.0	1477.0	2075.0	2380.0	1275.0	2013.0	1713.0	2400.0	2760.0	1480.0	2313.0
A-163 22 Kw	1185.0	973.0	1350.0	1550.0	830.0	1295.0	1110.0	1545.0	1775.0	950.0	1498.0	1273.0	1785.0	2020.0	1083.0	1708.0	1455.0	2040.0	2375.0	1277.0	1995.0
A-163 30 Kw	1303.0	1068.0	1485.0	1705.0	912.0	1423.0	1220.0	1680.0	1930.0	1032.0	1628.0	1385.0	1940.0	2230.0	1195.0	1885.0	1605.0	2250.0	2610.0	1403.0	2190.0
A-163 37 Kw	1380.0	1130.0	1573.0	1805.0	963.0	1505.0	1290.0	1795.0	2065.0	1103.0	1740.0	1480.0	2075.0	2385.0	1278.0	2015.0	1715.0	2405.0	2760.0	1483.0	2320.0
A-163 45 Kw	1440.0	1180.0	1643.0	1885.0	1007.0	1573.0	1348.0	1873.0	2150.0	1150.0	1812.0	1540.0	2165.0	2485.0	1330.0	2100.0	1785.0	2505.0	2885.0	1547.0	2420.0
A-163 55 Kw	1520.0	1245.0	1735.0	1990.0	1063.0	1660.0	1425.0	1980.0	2275.0	1215.0	1918.0	1630.0	2290.0	2630.0	1408.0	2220.0	1890.0	2650.0	3045.0	1635.0	2555.0
A-172 30Kw	1470.0	1205.0	1678.0	1924.0	1029.0	1606.0	1377.0	1914.0	2199.0	1178.0	1857.0	1577.0	2215.0	2542.0	1362.0	2150.0	1830.0	2565.0	2952.0	1585.0	2475.0
A-172 37Kw	1558.0	1275.0	1773.0	2038.0	1088.0	1699.0	1457.0	2028.0	2330.0	1245.0	1963.0	1670.0	2342.0	2692.0	1442.0	2275.0	1934.0	2715.0	3122.0	1676.0	2615.0
A-172 45Kw	1631.0	1336.0	1860.0	2138.0	1142.0	1782.0	1530.0	2125.0	2445.0	1305.0	2059.0	1749.0	2459.0	2822.0	1513.0	2385.0	2028.0	2845.0	3272.0	1755.0	2743.0
A-172 55Kw	1725.0	1412.0	1965.0	2258.0	1205.0	1885.0	1615.0	2248.0	2578.0	1378.0	2175.0	1847.0	2595.0	2982.0	1595.0	2520.0	2145.0	3010.0	3455.0	1758.0	2897.0
A-172 75Kw	1855.0	1522.0	2115.0	2433.0	1295.0	2026.0	1735.0	2418.0	2772.0	1481.0	2340.0	1990.0	2795.0	3204.0	1715.0	2710.0	2305.0	3230.0	3715.0	1991.0	3112.0
A-181 37Kw	2630.0	2156.0	3005.0	3451.0	1838.0	2875.0	2465.0	3430.0	3940.0	2102.0	3320.0	2818.0	3964.5	4550.0	2435.0	3845.0	3270.0	4591.0	5270.0	2825.0	4415.0
A-181 45Kw	2475.0	2032.0	2825.0	3247.0	1728.0	2705.0	2315.0	3229.0	3700.0	1980.0	3126.2	2655.0	3732.0	4286.0	2290.0	3620.0	3075.0	4322.0	4963.0	2660.0	4155.0
A-181 55Kw	2288.0	1877.0	2611.0	3000.0	1601.0	2500.0	2144.5	2980.0	3426.0	1831.5	2885.0	2456.5	3449.2	3961.0	2121.0	3345.0	2845.0	3390.0	4585.0	2460.0	3845.0
A-181 75Kw	2173.0	1785.0	2480.0	2851.0	1520.0	2375.0	2035.0	2835.8	3255.0	1740.0	2747.2	2336.0	3275.0	3766.0	2017.0	3183.0	2705.0	3800.0	4355.0	2340.0	3660.0
A-181 100Kw	2046.0	1678.2	2333.0	2680.0	1431.0	2235.0	1916.0	2665.0	3060.0	1638.5	2580.0	2196.0	3083.0	3535.0	1898.0	2990.0	2547.0	3570.0	4100.0	2200.0	3442.0
A-190 45Kw	2700.0	2210.0	3080.0	3535.0	1889.0	2950.0	2525.0	3515.0	4040.0	2160.0	3410.0	2895.0	4070.0	4670.0	2505.0	3945.0	3355.0	2910.0	5520.0	2910.0	4540.0
A-190 55Kw	2860.0	2345.0	3265.0	3750.0	2000.0	3125.0	2680.0	3730.0	4280.0	2290.0	3615.0	3070.0	4315.0	4955.0	2655.0	4185.0	3560.0	3080.0	5850.0	3085.0	4815.0
A-190 75Kw	3110.0	2550.0	3550.0	4075.0	2175.0	3395.0	2915.0	4050.0	4658.0	2485.0	3925.0	3335.0	4680.0	5380.0	2880.0	4550.0	3865.0	3345.0	6365.0	3345.0	5225.0
A-190 100Kw	3315.0	2715.0	3780.0	4345.0	2315.0	3620.0	3100.0	4320.0	4955.0	2855.0	4180.0	3550.0	4995.0	5730.0	3070.0	4840.0	4120.0	3560.0	6770.0	3560.0	5570.0
A-190 135Kw	3615.0	2965.0	4130.0	4740.0	2525.0	3950.0	3382.0	4710.0	5410.0	2890.0	4565.0	3880.0	5440.0	6250.0	3345.0	5280.0	4490.0	3880.0	7380.0	3880.0	6070.0

Condition Reference #	36.00	37.00	38.00	39.00	40.00	41.00	42.00	43.00	44.00	45.00	46.00	47.00	48.00	49.00
Wet Bulb °C	29.00	29.00	29.00	29.00	29.00	32.20	32.20	32.20	32.20	32.20	21.00	25.56	27.00	28.00
Range °C	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	5.00	5.56	5.00	5.00
Approach °C	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	6.00	3.89	5.00	4.00
Inlet Water Temperature °C	39.00	41.00	42.00	41.00	44.00	42.20	44.20	45.20	44.20	47.20	32.00	35.00	37.00	37.00
Outlet Water Temperature °C	33.00	35.00	36.00	33.00	36.00	36.20	38.20	39.20	36.20	39.20	27.00	29.44	32.00	32.00
A-37 0.75Kw	65.5	91.5	105.0	56.0	88.8	76.3	107.3	123.3	66.3	104.5	69.8	56.4	79.0	69.0
A-37 1.1Kw	73.3	102.0	117.3	62.7	99.3	85.3	120.0	137.8	73.8	116.8	78.3	63.0	88.3	77.0
A-37 1.5Kw	78.5	109.5	126.0	67.3	106.5	91.5	128.8	148.0	79.1	125.5	84.0	67.5	94.8	82.8
A-37 2.2Kw	88.3	123.3	141.8	75.5	119.8	102.8	144.8	166.5	89.0	141.0	94.5	76.0	106.8	93.0
A-37 3.75Kw	100.0	139.5	160.5	85.5	135.5	116.3	163.8	188.3	100.5	159.3	107.3	86.3	121.0	105.5
A-46 1.1Kw	93.5	130.0	149.0	80.3	126.8	108.8	152.5	175.0	94.8	148.5	99.3	80.5	112.5	98.3
A-46 1.5Kw	107.8	141.3	162.5	87.3	137.8	118.5	166.0	190.5	102.8	162.0	108.3	87.8	122.5	107.0
A-46 2.2Kw	114.0	158.5	182.0	97.8	154.3	132.5	186.0	213.5	115.0	181.5	121.5	98.3	137.3	120.0
A-46 3.75Kw	132.5	184.0	211.3	113.5	179.0	154.0	215.5	247.5	133.5	210.3	141.3	114.3	159.8	139.5
A-46 5.5Kw	143.5	199.0	228.5	122.8	193.8	166.5	233.3	267.5	144.3	227.3	153.0	123.8	172.8	151.0
A-55 1.1Kw	111.3	154.3	95.5	150.5	129.0	181.0	207.0	207.0	112.3	176.8	118.0	95.8	133.5	116.8
A-55 1.5Kw	122.3	169.8	105.0	165.5	142.0	199.5	228.5	228.5	123.5	194.8	130.0	105.3	147.0	128.5
A-55 2.2Kw	137.8	219.5	118.3	186.5	160.0	224.8	258.0	258.0	139.0	219.0	146.0	118.5	165.5	144.8
A-55 3.75Kw	159.5	254.5	137.0	216.0	185.8	260.0	298.5	298.5	161.0	254.0	170.0	137.5	192.0	167.8
A-55 5.5Kw	172.3	275.0	147.8	233.0	200.0	280.5	322.0	322.0	173.8	273.5	183.5	148.5	207.0	181.5
A-55 7.5Kw	190.3	303.3	163.0	257.0	221.3	309.5	355.5	355.5	191.5	302.0	203.5	164.0	229.0	200.0
A-64 1.5Kw	150.5	209.0	240.0	129.3	203.8	175.0	245.0	281.0	152.0	239.0	160.0	129.5	181.0	158.0
A-64 2.2Kw	167.0	232.3	266.5	143.5	226.0	194.5	272.5	312.5	168.8	266.0	177.5	144.0	201.0	175.5
A-64 3.75Kw	195.5	271.3	311.5	167.5	264.5	227.0	318.5	365.0	197.0	310.5	208.0	168.5	235.5	205.5
A-64 5.5Kw	216.0	300.3	344.5	185.0	292.0	251.0	352.0	404.0	218.0	343.0	230.5	186.5	260.0	227.0
A-64 7.5Kw	229.8	319.0	366.0	197.0	310.5	267.0	374.0	429.0	231.5	364.5	245.0	198.0	276.5	241.5
A-64 9.3Kw	246.3	342.5	393.0	211.0	333.0	286.0	401.0	460.0	248.0	391.0	263.5	212.5	297.0	259.5
A-73 2.2Kw	204.0	283.0	324.0	175.3	275.5	237.0	332.0	380.0	206.0	324.0	216.5	175.5	245.0	214.5
A-73 3.75Kw	237.0	329.0	378.0	203.5	320.5	275.5	386.0	443.0	239.0	377.0	252.0	204.0	285.0	249.0
A-73 5.5Kw	262.0	364.5	418.0	225.0	354.5	305.0	428.0	491.0	264.5	417.0	279.5	226.0	315.5	276.0
A-73 7.5Kw	288.0	400.0	460.0	247.0	389.5	335.0	469.0	539.0	290.5	458.0	307.5	248.5	347.0	303.0
A-73 9.3Kw	302.0	420.0	482.0	259.0	408.5	351.0	492.0	564.0	304.5	480.0	322.0	260.5	364.0	318.0
A-82 2.2Kw	215.5	299.0	343.0	185.0	291.0	250.0	350.0	402.0	217.5	342.0	229.0	185.5	259.0	226.5
A-82 3.75Kw	255.8	355.3	408.0	220.0	346.5	298.0	417.0	479.0	258.5	407.0	272.5	220.5	308.5	269.5
A-82 5.50Kw	283.5	394.0	453.0	243.5	384.0	330.0	463.0	531.0	286.5	452.0	302.0	244.5	342.0	299.0
A-82 7.50Kw	310.5	432.0	495.3	266.5	420.5	361.0	506.0	581.0	313.5	498.0	331.0	268.0	374.5	327.0
A-82 9.3Kw	326.0	453.0	520.0	280.0	441.0	379.0	531.0	610.0	329.0	518.0	348.0	281.0	393.0	343.0
A-82 11Kw	337.5	468.3	538.0	289.0	456.0	392.0	549.0	630.0	340.0	536.0	360.0	291.0	406.0	355.0
A-91 3.75Kw	279.0	396.0	455.0	245.0	386.0	331.5	464.0	533.0	288.0	454.0	303.0	245.5	343.0	300.0
A-91 5.5Kw	320.0	444.0	510.0	274.5	433.0	372.0	521.0	599.0	323.0	509.0	340.0	275.5	385.0	336.0
A-91 7.5Kw	343.0	477.0	548.0	294.5	464.5	399.0	560.0	643.0	346.5	546.0	366.0	296.0	413.0	361.0
A-91 9.3Kw	369.0	512.5	589.0	316.5	499.0	429.0	602.0	691.0	372.0	587.0	393.0	318.0	444.0	388.0
A-91 11Kw	386.0	536.0	616.0	331.0	522.0	449.0	629.0	721.0	389.0	613.0	412.0	333.0	465.0	406.0
A-91 15Kw	414.0	576.0	660.0	355.0	560.0	481.0	674.0	773.0	417.0	657.0	442.0	357.0	499.0	436.0
A-100 7.5Kw	454.5	631.0	724.0	390.0	614.0	528.0	740.0	850.0	458.0	722.0	484.0	391.0	547.0	478.0
A-100 9.3Kw	484.0	672.0	772.0	415.0	654.0	562.0	789.0	905.0	488.0	769.0	515.0	417.0	582.0	508.5
A-100 11Kw	501.5	697.0	801.0	431.0	679.0	584.0	818.0	938.0	506.0	798.0	535.0	433.0	604.0	528.5
A-100 15Kw	542.0	753.0	865.0	465.0	734.0	630.0	884.0	1014.0	547.0	862.0	578.0	468.0	653.0	570.0
A-100 18.3Kw	569.0	791.0	907.0	488.0	770.0	662.0	926.0	1062.0	574.0	904.0	607.0	491.0	685.0	599.0
A-109 9.3Kw	564.0	783.0	900.0	484.0	763.0	656.0	919.0	1315.0	569.0	897.0	600.0	486.0	679.0	593.0
A-109 11Kw	591.0	821.0	943.0	507.0	800.0	688.0	964.0	1260.0	597.0	940.0	630.0	510.0	711.0	621.0
A-109 15Kw	640.0	890.0	1022.0	549.0	867.0	745.0	1044.0	1198.0	647.0	1019.0	683.0	552.0	771.0	674.0
A-109 18.3Kw	674.0	936.0	1075.0	578.0	911.0	783.0	1099.0	1107.0	679.0	1071.0	718.0	580.3	811.0	709.0
A-109 22Kw	703.0	978.0	1122.0	603.0	950.0	817.0	1145.0	1055.0	708.0	1117.0	751.0	607.0	846.0	739.0
A-118 11Kw	719.0	1000.0	1147.0	618.0	974.0	837.0	1172.0	1345.0	726.0	1145.0	765.0	620.0	865.0	757.0
A-118 15Kw	791.0	1100.0	1262.0	678.0	1070.0	921.0	1289.0	1480.0	799.0	1258.0	843.0	682.0	952.0	832.0
A-118 18.3Kw	833.0	1157.0	1328.0	715.0	1127.0	968.0	1357.0	1558.0	840.0	1324.0	888.0	719.0	1002.0	876.0
A-118 22Kw	871.0	1210.0	1390.0	747.0	1178.0	1012.0	1419.0	1630.0	879.0	1385.0	930.0	752.0	1050.0	916.0
A-118 30Kw	925.0	1284.0	1475.0	792.0	1250.0	1074.0	1505.0	1725.0	932.0	1467.0	988.0	797.0	1114.0	972.0
A-127 15 Kw	915.0	1273.0	1460.0	785.0	1239.0	1063.0	1492.0	1714.0	924.0	1456.0	974.0	788.0	1100.0	963.0
A-127 18.3 Kw	963.0	1340.0	1537.0	827.0	1305.0	1120.0	1570.0	1802.0	972.0	1534.0	1028.0	830.0	1162.0	1015.0
A-127 22 Kw	1007.0	1400.0	1607.0	865.0	1363.0	1170.0	1640.0	1884.0	1015.0	1601.0	1075.0	868.0	1212.0	1061.0
A-127 30 Kw	1085.0	1510.0	1733.0	931.0	1470.0	1263.0	1770.0	2030.0	1095.0	1727.0	1158.0	936.0	1310.0	1144.0
A-127 37 Kw	1140.0	1583.0	1817.0	977.0	1540.0	1324.0	1856.0	2130.0	1148.0	1810.0	1218.0	982.0	1374.0	1198.0
A-136 18.3Kw	1087.0	1510.0	1735.0	933.0	1473.0	1265.0	1775.0	2035.0	1097.0	1730.0	1157.0	937.0	1310.0	1143.0
A-136 22Kw	1153.0	1600.0	1837.0	989.0	1560.0	1340.0	1880.0	2155.0	1163.0	1833.0	1227.0	993.0	1387.0	1210.0
A-136 30Kw	1253.0	1740.0	2000.0	1075.0	1695.0	1455.0	2040.0	2345.0	1263.0	1990.0	1337.0	1080.0	1510.0	1320.0
A-136 37Kw	1315.0	1830.0	2100.0	1129.0	1780.0	1530.0	2145.0	2460.0	1327.0	2090.0	1405.0	1135.0	1585.0	1385.0
A-136 45Kw	1380.0	1917.0	2200.0	1183.0	1867.0	1605.0	2250.0	2580.0	1390.0	2190.0	1475.0	1190.0	1665.0	1453.0
A-145 18.3Kw	1265.0	1758.0	2020.0	1086.0	1712.0	1473.0	2065.0	2365.0	1278.0	2012.0	1345.0	1090.0	1522.0	1330.0
A-145 22Kw	1333.0	1850.0	2120.0	1143.0	1803.0	1550.0	2170.0	2490.0	1345.0	2102.0	1420.0	1148.0	1590.0	1400.0
A-145 30Kw	1460.0	2028.0	2330.0	1252.0	1975.0	1700.0	2380.0	2730.0	1475.0	2320.0	1555.0	1258.0	1748.0	1537.0
A-145 37Kw	1540.0	2140.0	2455.0	1320.0	2083.0	1790.0	2510.0	2880.0	1551.0	2445.0	1643.0	1328.0	1852.0	1620.0
A-145 45Kw	1608.0	2235.0	2565.0	1380.0	2175.0	1870.0	2620.0	3005.0	1620.0	2555.0	1715.0	1388.0	1936.0	1691.0
A-154 22Kw	1500.0	2085.0	2390.0	1287.0	2030.0	1745.0	2445.0	2805.0	1513.0	2385.0	1595.0	1290.0	1805.0	1575.0
A-154 30Kw	1643.0	2280.0	2620.0	1410.0	2223.0	1910.0	2680.0	3075.0	1657.0	2610.0	1750.0	1415.0	1980.0	1730.0
A-154 37Kw	1725.0	2395.0	2750.0	1477.0	2330.0	2005.0	2810.0	3225.0	1737.0	2740.0	1835.0	1485.0	2075.0	1815.0
A-154 45Kw	1800.0	2500.0	2875.0	1545.0	2435.0	2095.0	2935.0	3370.0	1815.0	2860.0	1920.0	1555.0	2170.0	1895.0
A-154 55Kw	1895.0	2635.0	3025.0	1625.0	2565.0	2205.0	3090.0	3545.0	1910.0	3010.0	2025.0	1635.0	2285.0	1995.0
A-163 22 Kw	1635.0	2270.0	2610.0	1403.0	2215.0	1900.0	2665.0	3060.0	1653.0	2600.0	1740.0	1410.0	1970.0	1720.0
A-163 30 Kw	1795.0	2500.0	2870.0	1543.0	2430.0	2090.0	2930.0	3365.0	1815.0	2860.0	1915.0	1550.0	2165.0	1890.0
A-163 37 Kw	1900.0	2640.0	3035.0	1630.0	2570.0	2210.0	3100.0	3555.0	1920.0	3025.0	2025.0	1640.0	2290.0	2000.0
A-163 45 Kw	1985.0	2760.0	3165.0	1700.0	2682.0	2307.0	3230.0	3710.0	2000.0	3155.0	2115.0	1710.0	2390.0	2090.0
A-163 55 Kw	2095.0	2910.0	3340.0	1795.0	2833.0	2431.0	3410.0	3910.0	2110.0	3325.0	2230.0	1805.0	2520.0	2200.0
A-172 30Kw	2028.0	2820.0	3235.0	1742.0	1518.0	2360.0	3309.0	3797.0	2050.0	3225.0	2160.0	1747.0	2444.0	2132.0
A-172 37Kw	2147.0	2982.0	3422.0	1842.0	1604.0	2493.0	3500.0	4012.0	2165.0	3415.0	2288.0	1850.0	2585.0	2259.0
A-172 45Kw	2252.0	3128.0	3592.0	1929.0	1680.0	2617.0	3665.0	4210.0	2269.0	3578.0	2395.0	1941.0	2710.0	2365.0
A-172 55Kw	2372.0	3298.0	3792.0	2035.0	1773.0	2758.0	3865.0	4437.0	2392.0	3775.0	2533.0	2045.0	2860.0	2495.0
A-172 75Kw	2549.0	3545.0	4072.0	2185.0	1903.0	2965.0	4160.0	4769.0	2569.0	4050.0	2728.0	2204.0	3075.0	2685.0
A-181 37Kw	3620.0	5035.0	5770.0	3105.0	4890.0	4210.0	5900.0	6770.0	3650.0	5750.0	3865.0	3125.0	4365.0	3805.0
A-181 45Kw	3410.0	4743.0	5440.0	2925.0	4610.0	3969.0	5559.0	6380.0	3442.0	5422.0	3640.0	2943.0	4110.0	3593.0
A-181 55Kw	3155.0	4380.0	5025.0	2705.0	4265.0	3665.0	5145.0	5895.0	3180.0	5015.0	3363.0	2720.0	3801.0	3321.0
A-181 75Kw	2995.0	4165.0	4780.0	2575.0	4061.0	3492.0	4893.0	5615.0	3030.0	4774.0	3196.0	2585.0	3613.0	3150.0
A-181 100Kw	2824.0	3913.0	4502.0	2420.0	3819.5	3282.0	4600.0	5280.0	2850.0	4485.0	3000.0	2433.0	3397.2	2965.0
A-190 45Kw	3720.0	5175.0	5940.0	3200.0	5040.0	4330.0	6070.0	6970.0	3760.0	5925.0	3960.0	3210.0	4480.0	3920.0
A-190 55Kw	3945.0	5485.0	6300.0	3385.0	5340.0	4590.0	6440.0	7390.0	3990.0	6280.0	4198.0	3400.0	4750.0	4150.0
A-190 75Kw	4285.0	5950.0	6840.0	3675.0	5800.0	4980.0	6980.0	8010.0	4320.0	6820.0	4570.0	3690.0	5160.0	4510.0
A-190 100Kw	4560.0	6345.0	7285.0	3910.0	6170.0	5300.0	7430.0	8540.0	4600.0	7250.0	4860.0	3930.0	5500.0	4800.0
A-190 135Kw	4975.0	6920.0	7935.0	4265.0	6730.0	5780.0	8110.0	9300.0	5020.0	7900.0	5310.0	4290.0	6000.0	5240.0

Advance 2020 Series A R3, 2016 | **Three Cell Arrangement** | **All Flows in CMH**

Condition Reference #	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00
Wet Bulb °C	10.00	10.00	10.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	16.00	16.00	16.00
Range °C	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00
Approach °C	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00
Inlet Water Temperature °C	20.00	22.00	23.00	22.00	25.00	23.00	25.00	26.00	25.00	28.00	26.00	28.00	29.00
Outlet Water Temperature °C	14.00	16.00	17.00	14.00	17.00	17.00	19.00	20.00	17.00	20.00	20.00	22.00	23.00
Model No. A-37 to A-190 Three Cell													
A-37 0.75Kw	NA	56.0	64.2	NA	53.2	NA	63.2	72.8	NA	60.3	51.5	72.0	82.7
A-37 1.1Kw	NA	62.5	71.9	NA	59.5	50.7	70.8	81.5	NA	67.4	57.6	80.5	92.5
A-37 1.5Kw	NA	67.3	77.4	NA	64.0	54.5	76.2	87.5	NA	72.7	62.0	86.5	99.6
A-37 2.2Kw	54.5	76.0	87.4	NA	74.7	61.6	86.0	99.0	52.3	82.0	69.9	97.7	112.5
A-37 3.75Kw	62.0	86.6	99.5	52.5	82.3	70.1	98.0	112.7	59.4	93.4	79.6	111.4	128.0
A-46 1.1Kw	NA	80.0	91.5	NA	76.2	NA	90.3	103.8	NA	86.3	NA	102.8	118.0
A-46 1.5Kw	NA	87.0	99.8	NA	83.0	NA	98.5	113.0	NA	94.0	80.3	112.0	128.5
A-46 2.2Kw	NA	97.8	112.3	NA	93.3	79.6	110.8	127.3	NA	105.8	90.3	125.8	144.3
A-46 3.75Kw	82.3	114.5	131.3	NA	109.0	93.0	129.3	148.5	79.0	123.5	105.5	147.0	168.8
A-46 5.5Kw	89.3	124.3	142.8	75.8	118.3	101.0	140.5	161.3	85.8	134.0	114.5	159.5	183.3
A-55 1.1Kw	NA	94.0	107.8	NA	89.5	76.6	106.3	121.8	NA	101.5	86.8	120.8	138.5
A-55 1.5Kw	NA	103.5	118.8	NA	98.5	84.3	117.0	134.3	NA	111.5	95.5	133.0	152.5
A-55 2.2Kw	84.0	116.5	133.8	NA	111.3	95.0	132.0	151.5	80.8	126.1	107.8	150.0	172.0
A-55 3.75Kw	97.8	136.0	156.0	83.0	129.5	110.5	153.8	176.5	94.0	146.8	125.5	174.5	200.5
A-55 5.5Kw	106.0	147.3	169.0	90.0	140.3	119.5	166.5	191.0	101.8	159.0	135.8	189.0	217.3
A-55 7.5Kw	117.5	163.5	188.0	99.8	155.5	132.8	185.0	212.5	112.8	176.3	150.8	211.5	241.0
A-64 1.5Kw	93.5	130.0	149.0	79.7	123.8	105.8	147.0	168.5	90.3	140.3	120.0	167.0	191.5
A-64 2.2Kw	103.8	144.3	165.5	88.3	137.5	117.3	163.3	187.5	100.0	155.8	133.5	185.5	212.5
A-64 3.75Kw	122.0	169.0	194.0	103.5	161.3	137.5	191.5	220.0	117.0	182.5	156.0	217.5	249.5
A-64 5.5Kw	135.0	187.8	215.5	114.8	178.8	152.8	212.5	244.0	129.8	202.5	173.5	241.0	277.0
A-64 7.5Kw	144.0	200.0	230.0	122.0	190.5	162.5	226.5	260.0	138.3	216.0	184.5	257.0	295.0
A-64 9.3Kw	155.0	215.5	247.5	131.3	205.0	174.8	243.5	279.5	148.5	232.3	198.5	276.5	317.5
A-73 2.2Kw	126.0	175.0	200.5	NA	166.8	142.3	197.5	227.0	121.3	189.0	161.5	224.5	257.5
A-73 3.75Kw	146.5	203.5	233.5	124.5	194.0	165.5	230.5	264.5	141.0	220.0	188.0	261.5	300.5
A-73 5.5Kw	162.8	226.0	259.5	138.3	215.5	184.0	256.0	294.0	156.5	244.0	209.0	290.5	334.0
A-73 7.5Kw	179.5	249.5	286.5	152.5	237.5	202.5	282.0	323.5	172.5	269.0	230.0	320.0	368.0
A-73 9.3Kw	188.5	262.0	301.0	160.0	249.5	212.8	296.5	340.0	181.0	282.5	241.5	336.5	386.0
A-82 2.2Kw	NA	184.8	212.0	NA	176.3	NA	209.0	240.0	NA	199.8	171.0	237.5	273.0
A-82 3.75Kw	158.5	220.0	252.5	NA	209.8	179.0	249.0	286.0	152.8	237.5	203.5	282.5	325.0
A-82 5.50Kw	176.0	245.0	281.0	NA	233.0	199.0	276.5	318.0	169.5	264.0	225.8	314.0	361.0
A-82 7.50Kw	193.5	269.0	308.5	164.5	256.0	218.5	304.0	349.0	186.0	290.0	248.0	345.0	396.5
A-82 9.3Kw	203.5	282.8	324.5	172.8	269.0	229.8	319.5	367.0	195.5	305.0	260.8	362.8	417.0
A-82 11Kw	210.5	292.8	336.0	178.8	279.0	237.8	331.0	380.0	202.5	316.0	269.8	375.8	432.0
A-91 3.75Kw	NA	244.0	280.0	NA	232.5	NA	275.5	316.0	NA	263.5	225.5	313.0	360.0
A-91 5.5Kw	NA	274.0	314.5	NA	261.0	223.0	310.0	356.0	NA	296.0	253.0	352.0	404.0
A-91 7.5Kw	212.0	295.0	338.0	NA	281.0	240.0	333.5	383.0	204.0	318.0	272.0	379.0	435.0
A-91 9.3Kw	228.5	318.0	364.5	NA	302.5	258.5	359.5	413.0	220.0	343.0	293.0	408.0	469.0
A-91 11Kw	239.5	333.0	382.0	NA	317.0	270.5	377.0	432.0	230.0	359.0	307.0	428.0	491.0
A-91 15Kw	258.0	358.5	412.0	219.0	341.0	291.0	405.0	465.5	247.5	386.5	330.5	460.0	529.0
A-100 7.5Kw	279.0	388.0	445.0	NA	369.0	315.5	438.0	503.0	NA	419.0	358.0	498.0	572.0
A-100 9.3Kw	298.0	414.0	475.0	NA	394.0	337.0	468.0	537.0	286.5	447.0	382.0	532.0	610.0
A-100 11Kw	309.5	430.0	494.0	NA	410.0	350.0	487.0	559.0	297.5	464.0	397.0	553.0	635.0
A-100 15Kw	336.0	467.0	535.5	285.0	444.0	379.0	527.0	606.0	322.0	503.0	430.0	599.0	688.0
A-100 18.3Kw	353.0	491.0	563.0	299.5	467.0	399.0	555.0	637.0	339.0	529.0	453.0	630.0	724.0
A-109 9.3Kw	NA	478.0	549.0	NA	456.0	389.0	541.0	621.0	NA	517.0	442.0	614.0	705.0
A-109 11Kw	362.0	502.0	576.0	NA	478.0	409.0	568.0	652.0	NA	542.0	464.0	645.0	741.0
A-109 15Kw	393.0	546.0	627.0	NA	520.0	444.0	618.0	709.0	378.0	589.0	504.0	701.0	805.0
A-109 18.3Kw	414.0	576.0	661.0	NA	548.0	468.0	651.0	747.0	398.0	621.0	531.0	740.0	849.0
A-109 22Kw	433.0	601.5	692.0	368.0	573.0	489.0	680.0	782.0	415.5	649.0	555.0	773.0	888.0
A-118 11Kw	NA	617.0	708.0	NA	587.5	502.0	697.0	801.0	NA	666.0	570.0	793.0	910.0
A-118 15Kw	489.0	680.0	781.0	NA	648.0	553.0	770.0	884.0	471.0	734.0	628.0	874.0	1004.0
A-118 18.3Kw	517.0	718.0	824.0	NA	683.5	583.0	812.0	932.0	496.0	775.0	662.0	922.0	1059.0
A-118 22Kw	541.0	753.0	864.0	459.0	716.6	611.0	850.0	977.0	520.0	811.0	693.0	967.0	1110.0
A-118 30Kw	575.0	801.0	919.0	488.0	762.0	650.0	905.0	1038.0	552.0	863.0	738.5	1027.0	1180.0
A-127 15 Kw	563.0	782.0	898.0	NA	745.0	636.0	885.0	1015.0	NA	845.0	723.0	1005.0	1155.0
A-127 18.3 Kw	595.0	825.0	948.0	NA	786.0	672.0	933.0	1073.0	572.0	892.0	763.0	1060.0	1218.0
A-127 22 Kw	622.0	865.0	992.0	NA	823.0	702.0	977.0	1122.0	598.0	932.0	798.0	1110.0	1275.0
A-127 30 Kw	673.0	935.0	1073.0	571.0	890.0	760.0	1058.0	1215.0	646.0	1008.0	863.0	1200.0	1378.0
A-127 37 Kw	708.0	983.0	1128.0	600.0	935.0	798.0	1112.0	1278.0	679.0	1060.0	908.0	1263.0	1450.0
A-136 18.3Kw	NA	939.0	1077.0	NA	893.0	763.0	1061.0	1217.0	NA	1013.0	867.0	1207.0	1385.0
A-136 22Kw	707.0	983.0	1129.0	NA	936.0	800.0	1111.0	1277.0	NA	1060.0	907.0	1263.0	1450.0
A-136 30Kw	771.0	1073.0	1230.0	NA	1021.0	873.0	1213.0	1393.0	741.0	1157.0	990.0	1377.0	1583.0
A-136 37Kw	813.0	1130.0	1297.0	690.0	1075.0	917.0	1277.0	1467.0	780.0	1219.0	1043.0	1450.0	1665.0
A-136 45Kw	855.0	1187.0	1363.0	725.0	1130.0	965.0	1343.0	1543.0	821.0	1281.0	1097.0	1525.0	1753.0
A-145 18.3Kw	NA	1083.0	1245.0	NA	1033.0	882.0	1226.0	1406.0	NA	1171.0	1002.0	1392.0	1600.0
A-145 22Kw	822.0	1143.0	1312.0	NA	1089.0	930.0	1293.0	1485.0	NA	1234.0	1056.0	1468.0	1685.0
A-145 30Kw	905.0	1258.0	1444.0	NA	1196.0	1023.0	1423.0	1633.0	870.0	1357.0	1162.0	1616.0	1855.0
A-145 37Kw	957.0	1330.0	1525.0	812.0	1265.0	1081.0	1503.0	1726.0	917.0	1433.0	1227.0	1707.0	1960.0
A-145 45Kw	1000.0	1391.0	1595.0	849.0	1325.0	1130.0	1574.0	1807.0	961.0	1500.0	1282.0	1784.0	2050.0
A-154 22Kw	NA	NA	1470.0	NA	1221.0	1043.0	1450.0	1665.0	NA	1383.0	1183.0	1647.0	1890.0
A-154 30Kw	1013.0	NA	1615.0	NA	1340.0	1145.0	1593.0	1830.0	975.0	1520.0	1300.0	1810.0	2080.0
A-154 37Kw	1065.0	NA	1700.0	NA	1409.0	1203.0	1675.0	1920.0	1023.0	1597.0	1365.0	1900.0	2185.0
A-154 45Kw	1115.0	947.0	1780.0	NA	1475.0	1260.0	1755.0	2015.0	1071.0	1673.0	1430.0	1990.0	2285.0
A-154 55Kw	1177.0	1000.0	1880.0	1000.0	1557.0	1330.0	1850.0	2125.0	1130.0	1765.0	1510.0	2100.0	2415.0
A-163 22 Kw	NA	1392.0	1599.0	NA	1326.0	1135.0	1575.0	1808.0	NA	1505.0	1287.0	1788.0	2055.0
A-163 30 Kw	1105.0	1535.0	1760.0	NA	1462.0	1248.0	1735.0	1992.0	NA	1655.0	1415.0	1970.0	2262.0
A-163 37 Kw	1169.0	1624.0	1863.0	NA	1548.0	1322.0	1838.0	2110.0	1124.0	1755.0	1499.0	2086.0	2399.0
A-163 45 Kw	1225.0	1700.0	1952.0	NA	1619.0	1382.0	1920.0	2210.0	1175.0	1834.0	1569.0	2185.0	2505.0
A-163 55 Kw	1292.0	1799.0	2065.0	1097.0	1713.0	1460.0	2035.0	2333.0	1243.0	1940.0	1660.0	2307.0	2650.0
A-172 30Kw	NA	1740.0	1575.0	NA	1655.0	1415.0	1965.0	2255.0	NA	1878.0	1605.0	2235.0	2565.0
A-172 37Kw	1325.0	1842.0	1670.0	NA	1755.0	1500.0	2085.0	2390.0	NA	1990.0	1700.0	2365.0	2720.0
A-172 45Kw	1392.0	1935.0	1752.0	NA	1842.0	1575.0	2190.0	2510.0	1340.0	2090.0	1795.0	2435.0	2855.0
A-172 55Kw	1472.0	2050.0	1855.0	NA	1950.0	1665.0	2315.0	2660.0	1415.0	2210.0	1890.0	2630.0	3020.0
A-172 75Kw	1590.0	2210.0	2000.0	1348.0	2100.0	1795.0	2495.0	2865.0	1525.0	2380.0	2035.0	2835.0	3255.0
A-181 37Kw	NA	3128.0	2768.0	NA	2300.0	1965.0	2732.0	3132.0	NA	2610.0	2230.0	3100.0	3560.0
A-181 45Kw	1850.0	2940.0	2950.0	NA	2448.0	2090.0	2910.0	3336.0	NA	2775.0	2375.0	3305.0	3795.0
A-181 55Kw	1950.0	2710.0	3108.0	NA	2580.0	2205.0	3062.0	3515.0	1875.0	2925.0	2499.0	3478.0	4000.0
A-181 75Kw	2114.0	2570.0	3370.0	NA	2796.0	2390.0	3325.0	3815.0	2030.0	3170.0	2710.0	3778.0	4332.0
A-181 100Kw	2250.0	2415.0	3589.0	1910.0	2978.0	2540.0	3535.0	4059.0	2160.0	3375.0	2887.0	4018.0	4612.0
A-190 45Kw	NA	3185.0	3655.0	NA	3035.0	2595.0	3605.0	4135.0	NA	3440.0	2945.0	4090.0	4700.0
A-190 55Kw	NA	3385.0	3885.0	NA	3220.0	2750.0	3825.0	4390.0	NA	3650.0	3125.0	4345.0	4990.0
A-190 75Kw	2650.0	3680.0	4225.0	NA	3510.0	2995.0	4160.0	4780.0	2550.0	3975.0	3400.0	4730.0	5440.0
A-190 100Kw	2830.0	3930.0	4510.0	NA	3745.0	3195.0	4450.0	5100.0	2720.0	4245.0	3625.0	5050.0	5800.0
A-190 135Kw	3100.0	4305.0	4940.0	2630.0	4100.0	3495.0	4865.0	5585.0	2975.0	4645.0	3970.0	5525.0	6350.0

Condition Reference #	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00	31.00	32.00	33.00
Wet Bulb °C	16.00	16.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	21.00	21.00	21.00	24.00	24.00	24.00	24.00	24.00	27.00	27.00	27.00
Range °C	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00
Approach °C	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00
Inlet Water Temperature °C	28.00	31.00	28.00	30.00	31.00	30.00	33.00	31.00	33.00	34.00	33.00	36.00	34.00	36.00	37.00	36.00	39.00	37.00	39.00	40.00
Outlet Water Temperature °C	20.00	23.00	22.00	24.00	25.00	22.00	25.00	25.00	27.00	28.00	25.00	28.00	28.00	30.00	31.00	28.00	31.00	31.00	33.00	34.00
Model No. A-37 to A-190 Three Cell																				
A-37 0.75Kw	NA	68.9	56.3	78.6	90.3	NA	75.2	64.4	89.8	103.2	54.8	87.0	73.7	104.0	119.4	63.6	101.0	85.4	120.6	138.6
A-37 1.1Kw	NA	76.9	62.8	87.8	106.9	53.6	84.1	71.8	100.4	115.4	61.4	97.4	82.4	116.2	133.7	71.2	112.8	95.6	135.0	155.0
A-37 1.5Kw	52.7	82.7	67.6	94.4	108.6	57.5	90.4	77.2	108.0	124.4	65.9	104.6	88.6	125.0	143.8	76.4	121.2	102.9	145.0	166.8
A-37 2.2Kw	59.5	93.4	76.4	106.6	122.7	64.9	102.0	87.2	122.0	140.4	74.4	118.0	100.1	141.2	162.4	86.2	137.0	116.0	164.0	188.4
A-37 3.75Kw	67.5	106.2	86.8	121.4	139.7	73.7	116.0	99.2	138.8	159.7	84.4	134.2	113.7	160.6	184.8	97.8	155.4	132.0	186.0	214.0
A-46 1.1Kw	NA	98.3	80.5	112.0	128.5	NA	107.3	92.0	128.0	147.0	78.8	124.3	105.3	148.0	170.0	91.3	143.5	122.3	171.5	197.0
A-46 1.5Kw	NA	107.0	87.8	122.0	140.0	NA	117.0	100.3	139.3	160.0	85.8	135.3	114.8	161.3	185.3	99.3	156.5	133.0	187.0	214.8
A-46 2.2Kw	77.0	120.3	98.5	137.3	157.8	84.0	131.5	112.5	156.8	180.3	96.3	152.0	129.0	181.3	208.3	111.5	176.0	149.8	210.3	241.5
A-46 3.75Kw	89.8	140.5	115.0	160.0	184.0	98.0	153.5	131.3	183.0	210.3	112.3	177.0	150.5	211.3	243.0	130.0	205.0	174.5	244.8	281.5
A-46 5.5Kw	97.5	152.5	124.8	173.8	199.8	106.3	166.5	142.5	198.5	228.3	121.8	192.3	163.3	229.5	263.5	141.0	222.5	189.5	265.8	305.0
A-55 1.1Kw	NA	115.7	94.8	131.8	151.0	78.8	126.0	108.0	150.3	172.5	92.7	146.0	124.0	174.0	199.5	107.3	169.0	143.5	201.0	231.0
A-55 1.5Kw	81.7	127.0	104.3	145.0	166.5	89.0	138.8	119.3	165.5	190.0	102.0	160.5	136.5	191.5	219.5	118.0	186.0	158.5	222.0	255.0
A-55 2.2Kw	92.0	143.5	117.5	163.5	187.8	100.5	156.8	134.3	187.0	214.5	114.8	181.3	154.0	216.0	248.0	133.0	209.8	178.5	250.5	288.0
A-55 3.75Kw	107.0	167.0	136.8	190.3	218.8	116.8	182.3	156.5	217.5	250.0	133.5	210.8	179.0	251.5	289.0	154.8	244.5	207.5	291.5	335.0
A-55 5.5Kw	115.8	180.8	148.0	206.5	237.0	126.3	197.5	169.3	235.8	270.5	144.5	228.3	194.0	272.5	313.0	167.5	264.5	225.0	315.5	362.5
A-55 7.5Kw	128.3	200.5	164.5	229.0	263.0	140.0	219.0	187.8	263.5	300.3	160.0	253.0	215.0	302.0	347.0	185.5	293.0	249.0	350.0	401.8
A-64 1.5Kw	102.5	159.8	130.8	182.0	209.0	111.8	174.3	149.5	208.0	238.5	127.8	201.5	171.5	240.5	276.0	148.3	233.5	198.5	278.5	320.0
A-64 2.2Kw	113.5	177.3	145.5	202.0	232.3	124.0	193.8	166.0	231.0	265.5	141.8	224.0	190.0	267.0	307.0	164.5	259.5	220.5	309.0	356.0
A-64 3.75Kw	133.0	208.0	170.5	237.3	272.5	145.5	227.0	194.5	271.0	311.5	166.3	262.5	223.0	313.5	360.0	192.5	304.0	258.5	363.0	417.0
A-64 5.5Kw	147.5	230.5	189.0	263.0	302.3	161.0	252.0	216.0	300.5	345.0	184.3	291.0	247.0	347.5	399.0	213.5	337.0	286.5	402.0	462.0
A-64 7.5Kw	157.0	245.5	201.0	280.5	322.0	171.5	268.0	230.0	320.0	368.0	196.0	310.0	263.0	369.5	425.0	227.0	358.5	305.0	428.0	491.5
A-64 9.3Kw	169.0	264.0	216.5	301.5	346.5	184.5	288.5	247.0	344.0	395.0	211.0	333.0	283.0	398.0	457.0	244.0	385.5	328.0	460.0	528.5
A-73 2.2Kw	138.0	215.0	176.0	245.0	281.0	150.5	235.0	201.0	280.0	321.5	172.3	271.5	230.5	324.0	371.5	199.5	314.5	267.5	375.0	430.0
A-73 3.75Kw	160.5	250.5	205.0	285.0	328.0	175.0	273.5	234.0	326.0	374.0	200.5	316.0	268.5	377.0	433.0	232.0	366.0	311.5	437.0	502.0
A-73 5.5Kw	178.0	278.0	227.5	317.0	364.0	194.0	303.3	260.0	362.0	416.0	222.0	350.5	298.0	419.0	481.0	257.5	406.0	345.5	485.0	558.0
A-73 7.5Kw	196.0	306.0	251.0	349.0	401.0	214.0	334.5	286.5	399.0	458.5	244.5	386.5	328.0	461.0	530.0	283.5	447.5	380.5	534.0	614.0
A-73 9.3Kw	205.5	321.5	263.5	367.0	421.0	224.5	351.0	301.0	418.5	481.0	257.0	405.5	345.0	484.0	556.0	297.0	469.5	399.0	560.0	644.0
A-82 2.2Kw	NA	227.8	186.5	259.5	297.0	159.5	248.5	213.0	296.0	340.0	182.5	287.0	244.0	342.0	393.0	211.0	332.5	283.0	397.0	455.0
A-82 3.75Kw	173.5	270.5	222.0	308.5	354.5	189.5	296.0	253.5	352.5	405.0	216.5	342.0	290.5	408.0	468.0	251.0	396.0	337.0	473.0	543.0
A-82 5.50Kw	192.5	300.5	246.5	343.0	394.0	210.0	328.5	281.5	392.0	450.0	240.5	380.0	323.0	453.0	521.0	278.5	440.0	374.0	525.0	603.0
A-82 7.50Kw	211.5	333.0	270.5	379.5	436.0	230.5	360.5	309.0	430.0	494.0	264.0	417.0	354.0	497.0	571.0	305.5	483.0	410.0	576.0	662.0
A-82 9.3Kw	222.0	347.0	284.5	396.0	455.0	242.5	379.5	325.0	452.0	519.0	277.5	438.0	372.0	523.0	600.0	321.0	507.0	431.0	606.0	695.0
A-82 11Kw	230.0	359.5	294.5	410.0	471.0	251.0	392.5	336.0	468.0	538.0	287.0	453.5	385.5	541.0	622.0	332.5	525.0	447.0	627.0	720.0
A-91 3.75Kw	NA	299.5	246.0	342.0	392.5	210.0	327.5	281.0	390.0	448.0	240.0	379.0	322.0	452.0	519.0	278.5	439.0	373.0	524.0	601.0
A-91 5.5Kw	216.0	337.0	276.0	384.0	441.0	235.5	368.0	315.0	439.0	504.0	269.5	425.0	361.0	508.0	583.0	312.0	493.0	419.0	589.0	676.0
A-91 7.5Kw	232.0	362.0	297.0	413.0	476.5	253.5	396.0	339.0	472.0	543.0	290.0	457.0	389.0	546.0	628.0	336.0	530.0	451.0	633.0	727.0
A-91 9.3Kw	250.0	390.5	320.0	445.0	511.0	273.0	426.5	365.0	509.0	585.0	312.0	493.0	419.0	588.0	676.0	362.0	571.0	485.0	681.0	783.0
A-91 11Kw	261.5	409.0	335.0	467.0	536.0	286.0	447.0	383.0	533.0	612.0	327.0	516.0	438.0	616.0	707.0	379.0	598.0	508.0	714.0	820.0
A-91 15Kw	281.5	440.0	361.0	502.0	577.0	307.0	480.5	412.0	573.0	659.0	351.0	555.0	471.0	663.0	761.0	407.0	643.0	546.0	767.0	881.0
A-100 7.5Kw	305.0	477.0	391.0	543.0	624.0	333.0	521.0	446.0	621.0	714.0	381.0	602.0	511.0	718.0	825.0	442.0	698.0	593.0	832.0	956.0
A-100 9.3Kw	326.0	508.3	417.0	580.0	666.0	355.5	556.0	476.0	663.0	762.0	407.0	642.0	546.0	767.0	880.0	471.0	744.0	633.0	888.0	1021.0
A-100 11Kw	338.0	529.0	433.0	603.0	692.0	369.0	577.0	495.0	689.0	792.0	422.5	667.0	567.0	797.0	915.0	489.0	773.0	657.0	922.0	1060.0
A-100 15Kw	366.5	573.0	469.0	653.0	750.0	400.0	626.0	536.0	746.0	858.0	458.0	723.0	614.0	862.0	991.0	530.0	837.0	712.0	999.0	1147.0
A-100 18.3Kw	385.0	602.0	494.0	687.0	789.0	420.1	658.0	564.0	785.0	901.0	481.0	760.0	645.0	907.0	1042.0	557.0	880.0	748.0	1050.0	1206.0
A-109 9.3Kw	377.0	588.0	482.0	670.0	770.0	411.0	643.0	551.0	766.0	880.0	471.0	742.0	631.0	886.0	1018.0	545.0	860.0	732.0	1027.0	1180.0
A-109 11Kw	395.0	617.0	506.0	704.0	808.0	431.5	674.0	578.0	804.0	925.0	494.0	779.0	662.0	930.0	1070.0	572.0	903.0	768.0	1078.0	1240.0
A-109 15Kw	430.0	671.0	550.0	765.0	880.0	469.0	733.0	628.0	874.0	1005.0	537.0	847.0	719.0	1012.0	1162.0	622.0	982.0	834.0	1172.0	1348.0
A-109 18.3Kw	452.0	707.0	579.0	806.0	926.0	494.0	772.0	662.0	921.0	1058.0	565.0	892.0	758.0	1065.0	1225.0	655.0	1035.0	879.0	1236.0	1418.0
A-109 22Kw	473.0	739.0	606.0	843.0	968.0	516.0	808.0	691.0	963.0	1106.0	590.0	933.0	792.0	1114.0	1279.0	683.5	1080.0	918.0	1290.0	1482.0
A-118 11Kw	486.0	758.0	621.0	864.0	993.0	530.0	828.0	710.0	988.0	781.0	607.0	957.0	813.0	1142.0	1312.0	703.0	1110.0	944.0	1325.0	1522.0
A-118 15Kw	535.0	835.0	685.0	954.0	1095.0	584.0	913.0	782.0	1088.0	860.0	668.0	1055.0	897.0	1260.5	1448.0	775.0	1223.0	1038.0	1461.0	1678.0
A-118 18.3Kw	564.5	881.0	723.0	1006.0	1150.0	616.0	963.0	826.0	1149.0	905.0	704.0	1113.0	945.0	1329.0	1526.0	817.0	1290.0	1097.0	1540.0	1768.0
A-118 22Kw	591.5	924.0	757.0	1054.0	1211.0	645.0	1009.5	864.0	1202.0	1383.0	738.0	1166.0	989.0	1392.0	1598.0	855.0	1350.0	1149.0	1613.0	1852.0
A-118 30Kw	628.0	982.0	804.0	1121.0	1288.0	686.0	1073.0	919.0	1280.0	1471.0	784.0	1239.0	1052.0	1478.0	1700.0	909.0	1435.0	1220.0	1713.0	1968.0
A-127 15 Kw	616.0	962.0	788.0	1096.0	1260.0	673.0	1050.0	900.0	1253.0	1440.0	770.0	1215.0	1032.0	1450.0	1665.0	892.0	1408.0	1195.0	1680.0	1930.0
A-127 18.3 Kw	650.0	1015.0	832.0	1157.0	1330.0	710.0	1108.0	950.0	1323.0	1520.0	812.0	1280.0	1088.0	1528.0	1758.0	940.0	1485.0	1262.0	1772.0	2035.0
A-127 22 Kw	680.0	1062.0	870.0	1210.0	1390.0	742.0	1160.0	993.0	1383.0	1588.0	848.0	1340.0	1140.0	1600.0	1838.0	983.0	1553.0	1320.0	1853.0	2130.0
A-127 30 Kw	735.0	1149.0	940.0	1310.0	1505.0	802.0	1253.0	1075.0	1495.0	1720.0	918.0	1450.0	1230.0	1728.0	1988.0	1063.0	1678.0	1428.0	2002.0	2300.0
A-127 37 Kw	772.0	1208.0	988.0	1378.0	1583.0	843.0	1318.0	1128.0	1573.0	1805.0	963.0	1522.0	1292.0	1816.0	2088.0	1115.0	1763.0	1498.0	2108.0	2420.0
A-136 18.3Kw	739.0	1153.0	945.0	1315.0	1510.0	807.0	1260.0	1080.0	1503.0	1725.0	923.0	1457.0	1237.0	1740.0	1995.0	1070.0	1687.0	1435.0	2015.0	2315.0
A-136 22Kw	773.0	1209.0	990.0	1377.0	1583.0	845.0	1320.0	1130.0	1575.0	1810.0	965.0	1525.0	1295.0	1820.0	2090.0	1120.0	1767.0	1503.0	2110.0	2425.0
A-136 30Kw	843.0	1318.0	1080.0	1503.0	1727.0	920.0	1440.0	1233.0	1715.0	1975.0	1053.0	1663.0	1413.0	1985.0	2280.0	1220.0	1927.0	1640.0	2300.0	2645.0
A-136 37Kw	887.0	1387.0	1137.0	1583.0	1817.0	969.0	1515.0	1297.0	1807.0	2077.0	1109.0	1750.0	1487.0	2090.0	2400.0	1285.0	2029.0	1725.0	2420.0	2780.0
A-136 45Kw	933.0	1457.0	1195.0	1665.0	1910.0	1017.0	1593.0	1365.0	1900.0	2185.0	1165.0	1840.0	1565.0	2195.0	2525.0	1350.0	2130.0	1810.0	2545.0	2920.0
A-145 18.3Kw	853.0	1332.0	1092.0	1520.0	1745.0	933.0	1455.0	1249.0	1738.0	1992.0	1067.0	1682.0	1430.0	2005.0	2305.0	1235.0	1950.0	1658.0	2330.0	2675.0
A-145 22Kw	900.0	1405.5	1152.0	1603.0	1840.0	983.0	1535.0	1315.0	1830.0	2100.0	1125.0	1772.0	1505.0	2115.0	2430.0	1301.0	2055.0	1748.0	2452.0	2820.0
A-145 30Kw	988.0	1545.0	1267.0	1763.0	2025.0	1078.0	1688.0	1445.0	2012.0	2310.0	1235.0	1950.0	1655.0	2325.0	2670.0	1432.0	2258.0	1920.0	2695.0	3095.0
A-145 37Kw	1043.0	1631.0	1335.0	1862.0	2138.0	1140.0	1780.0	1525.0	2127.0	2440.0	1303.0	2060.0	1748.0	2458.0	2820.0	1510.0	2385.0	2025.0	2850.0	3270.0
A-145 45Kw	1092.0	1708.0	1399.0	1949.0	2237.0	1193.0	1865.0	1598.0	2226.0	2555.0	1365.0	2155.0	1830.0	2568.0	2955.0	1580.0	2495.0	2123.0	2975.0	3420.0
A-154 22Kw	1009.0	1577.0	1292.0	1795.0	2065.0	1101.0	1720.0	1475.0	2055.0	2360.0	1260.0	1990.0	1690.0	2375.0	2730.0	1463.0	2305.0	1960.0	2755.0	3160.0
A-154 30Kw	1107.0	1730.0	1418.0	1975.0	2265.0	1210.0	1890.0	1620.0	2255.0	2590.0	1385.0	2185.0	1855.0	2610.0	2995.0	1605.0	2530.0	2150.0	3025.0	3475.0
A-154 37Kw	1165.0	1820.0	1491.0	2075.0	2385.0	1270.0	1985.0	1700.0	2370.0	2725.0	1455.0	2295.0	1950.0	2740.0	3150.0	1685.0	2660.0	2260.0	3175.0	3650.0
A-154 45Kw	1217.0	1905.0	1561.0	2170.0	2495.0	1330.0	2080.0	1780.0	2480.0	2850.0	1520.0	2400.0	2040.0	2870.0	3295.0	1760.0	2780.0	2365.0	3325.0	3820.0
A-154 55Kw	1285.0	2010.0	1645.0	2290.0	2630.0	1403.0	2195.0	1880.0	2615.0	3005.0	1605.0	2535.0	2155.0	3025.0	3475.0	1860.0	2935.0	2495.0	3505.0	4025.0
A-163 22 Kw	1097.0	1712.0	1405.0	1950.0	2240.0	1198.0	1870.0	1605.0	2230.0	2560.0	1370.0	2160.0	1837.0	2580.0	2960.0	1590.0	2508.0	2130.0	2990.0	3434.0
A-163 30 Kw	1209.0	1885.0	1545.0	2150.0	2470.0	1318.0	2050.0	1764.0	2454.0	2820.0	1508.0	2380.0	2025.0	2840.0	3262.0	1750.0	2758.0	2348.0	3295.0	3780.0
A-163 37 Kw	1278.0	1998.0	1636.0	2280.0	2615.0	1395.0	2180.0	1870.0	2600.0	2990.0	1596.0	2520.0	2140.0	3012.0	3456.0	1850.0	2920.0	2482.0	3490.0	4009.0
A-163 45 Kw	1337.0	2090.0	1710.0	2380.0	2735.0	1460.0	2280.0	1954.0	2719.0	3125.0	1670.0	2634.0	2237.0	3150.0	3615.0	1936.0	3054.0	2600.0	3648.0	4190.0
A-163 55 Kw	1412.0	2208.0	1810.0	2518.0	2893.0	1543.0	2410.0	2065.0	2874.0	3302.0	1763.0	2784.0	2365.0	3328.0	3820.0	2042.0	3228.0	2744.0	3852.0	4430.0
A-172 30Kw	1368.0	2138.0	1750.0	2435.0	2215.0	1495.0	2335.0	2000.0	2785.0	3200.0	1710.0	2700.0	2295.0	3220.0	3700.0	1980.0	3960.0	2660.0	3730.0	4290.0
A-172 37Kw	1450.0	2265.0	1855.0	2585.0	2345.0	1385.0	2475.0	2120.0	2950.0	3390.0	1810.0	2860.0	2430.0	3410.0	3920.0	2100.0	3675.0	2820.0	3960.0	4540.0
A-172 45Kw	1522.0	2375.0	1950.0	2710.0	2460.0	1660.0	2595.0	2225.0	3100.0	3555.0	1900.0	3000.0	2550.0	3580.0	4110.0	2200.0	3475.0	2955.0	4150.0	4770.0
A-172 55Kw	1610.0	2515.0	2060.0	2870.0	2605.0	1755.0	2745.0	2353.0	3280.0	3760.0	2010.0	3170.0	2695.0	3790.0	4350.0	2330.0	3315.0	3130.0	4390.0	5040.0
A-172 75Kw	1735.0	2710.0	2220.0	3090.0	2805.0	1890.0	2960.0	2535.0	3530.0	4060.0	2165.0	3420.0	2905.0	4080.0	4690.0	2505.0	3125.0	3370.0	4730.0	5425.0
A-181 37Kw	1902.0	2970.0	2435.0	3385.0	3890.0	2076.0	3242.0	2778.0	3865.0	4440.0	2375.0	3750.0	3185.0	4470.0	6138.0	2752.0	4345.0	3700.0	5183.0	5962.0
A-181 45Kw	2025.0	3160.0	2590.0	3602.0	4145.0	2210.0	3455.0	2957.0	4115.0	4730.0	2530.0	3990.0	3388.0	4765.0	6475.0	2928.0	4625.0	3930.0	5525.0	6340.0
A-181 55Kw	2130.0	3330.0	2725.0	3795.0	4358.0	2325.0	3634.0	3115.0	4335.0	4978.0	2660.0	4200.0	3570.0	5012.0	5758.0	3085.0	4874.0	4140.0	5810.0	6675.0
A-181 75Kw	2308.0	3610.0	2955.0	4115.0	4725.0	2521.0	3940.0	3375.0	4700.0	5400.0	2882.0	4552.0	3872.0	5432.0	6240.0	3340.0	5280.0	4485.0	6300.0	7230.0
A-181 100Kw	2455.0	3840.0	3145.0	4378.0	5030.0	2680.0	4195.0	3591.0	5000.0	5745.0	3065.0	4845.0	4115.0	5780.0	6640.0	3555.0	5610.0	4770.0	6700.0	7705.0
A-190 45Kw	2510.0	3920.0	3210.0	4470.0	5130.0	2740.0	4280.0	3670.0	5100.0	5860.0	3140.0	4950.0	4200.0	5910.0	6780.0	3640.0	5730.0	4880.0	6850.0	7850.0
A-190 55Kw	2665.0	4160.0	3410.0	4740.0	5440.0	2910.0	4540.0	3890.0	5420.0	6230.0	3330.0	5250.0	4460.0	6260.0	7200.0	3860.0	6080.0	5170.0	7260.0	8350.0
A-190 75Kw	2895.0	4525.0	3710.0	5160.0	5930.0	3160.0	4940.0	4240.0	5900.0	6780.0	3620.0	5710.0	4850.0	6820.0	7830.0	4190.0	6620.0	5630.0	7900.0	9070.0
A-190 100Kw	3090.0	4830.0	3960.0	5510.0	6330.0	3375.0	5275.0	4520.0	6290.0	7230.0	3860.0	6100.0	5180.0	7280.0	8350.0	4470.0	7060.0	6000.0	8440.0	9690.0
A-190 135Kw	3380.0	5280.0	4330.0	6030.0	6930.0	3690.0	5770.0	4940.0	6890.0	7910.0	4220.0	6665.0	5660.0	7960.0	9150.0	4890.0	7720.0	6560.0	9220.0	10575.0

Condition Reference #	34.00	35.00	36.00	37.00	38.00	39.00	40.00	41.00	42.00	43.00	44.00	45.00	46.00	47.00	48.00	49.00
Wet Bulb °C	27.00	27.00	29.00	29.00	29.00	29.00	29.00	32.20	32.20	32.20	32.20	32.20	21.00	25.56	27.00	28.00
Range °C	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	5.00	5.56	5.00	5.00
Approach °C	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	6.00	3.89	5.00	4.00
Inlet Water Temperature °C	39.00	42.00	39.00	41.00	42.00	41.00	44.00	42.20	44.20	45.20	44.20	47.20	32.00	35.00	37.00	37.00
Outlet Water Temperature °C	31.00	34.00	33.00	35.00	36.00	33.00	36.00	36.20	38.20	39.20	36.20	39.20	27.00	29.44	32.00	32.00
Model No. A-37 to A-190 Three Cell																
A-37 0.75Kw	73.9	116.2	94.8	132.4	152.2	81.4	128.6	110.4	155.6	178.6	95.8	151.6	165.6	169.2	172.8	176.4
A-37 1.1Kw	82.8	129.8	106.2	148.2	170.2	90.8	144.0	123.6	174.0	200.4	107.0	169.6	75.6	92.0	97.2	100.8
A-37 1.5Kw	88.8	139.6	114.2	159.4	183.2	97.8	155.0	132.8	187.0	215.4	115.0	182.4	18.0	20.0	18.0	18.0
A-37 2.2Kw	100.2	157.6	128.8	180.0	207.0	110.2	175.0	141.6	211.0	243.0	129.6	205.6	21.6	14.0	18.0	14.4
A-37 3.75Kw	113.8	178.1	146.4	204.4	235.0	125.0	198.6	160.8	239.8	275.6	147.0	233.4	115.2	126.0	133.2	133.2
A-46 1.1Kw	106.0	165.5	135.3	188.5	216.0	116.5	183.5	157.5	221.0	253.5	137.0	216.0	143.8	116.8	163.3	142.5
A-46 1.5Kw	115.3	180.0	147.5	205.3	235.5	126.8	199.8	171.5	241.0	276.5	149.0	235.0	157.0	127.0	177.8	155.3
A-46 2.2Kw	129.5	202.5	165.8	230.5	264.5	142.5	224.5	193.0	270.5	310.5	167.5	264.0	176.5	143.0	199.5	174.5
A-46 3.75Kw	151.0	235.8	193.5	268.5	308.5	165.8	261.5	224.5	315.0	362.0	195.0	307.5	206.5	166.5	233.0	203.5
A-46 5.5Kw	163.5	255.5	209.8	291.5	334.5	179.8	283.5	244.0	341.5	392.0	211.3	333.0	224.0	181.0	253.0	221.0
A-55 1.1Kw	124.8	194.0	159.3	221.0	253.5	136.8	215.5	185.0	259.0	297.0	161.0	253.0	169.0	137.0	191.5	167.5
A-55 1.5Kw	137.3	214.0	175.5	243.5	279.5	150.8	237.5	204.0	286.0	328.0	177.5	279.0	186.0	151.3	211.0	184.5
A-55 2.2Kw	154.5	241.5	198.0	275.0	315.5	170.0	268.0	230.0	323.0	370.5	200.0	315.5	210.5	170.5	238.0	208.0
A-55 3.75Kw	179.5	281.0	230.5	320.0	368.0	197.5	311.8	268.0	376.0	432.0	232.5	366.5	245.5	198.5	277.0	242.0
A-55 5.5Kw	194.5	303.8	249.0	346.5	397.5	213.5	337.0	290.0	407.0	467.0	251.3	396.5	266.0	214.8	300.0	262.0
A-55 7.5Kw	215.5	337.0	276.0	384.0	441.0	236.5	373.5	321.0	450.0	517.0	278.0	439.0	295.0	238.0	332.5	290.5
A-64 1.5Kw	172.0	268.5	220.0	306.0	351.0	189.0	298.0	256.0	358.0	411.0	222.5	350.0	234.0	190.0	265.0	231.5
A-64 2.2Kw	191.0	298.5	245.0	339.5	390.0	210.0	331.5	284.0	399.0	458.0	247.0	389.5	260.0	210.5	294.0	257.5
A-64 3.75Kw	223.5	349.5	286.5	398.0	457.5	246.0	388.0	333.0	468.0	537.0	289.5	456.0	305.5	247.0	345.0	302.0
A-64 5.5Kw	247.5	387.5	318.0	441.0	507.0	272.0	429.5	369.0	518.0	594.0	320.0	505.0	339.0	274.0	382.0	334.0
A-64 7.5Kw	263.5	412.5	338.0	469.5	539.0	289.5	457.0	393.0	551.0	632.0	340.5	537.0	360.5	291.5	407.0	356.0
A-64 9.3Kw	283.5	442.5	363.0	504.5	579.0	311.0	491.0	422.0	591.5	679.0	366.0	576.0	388.0	313.0	438.0	382.5
A-73 2.2Kw	232.0	361.5	296.5	412.0	472.0	254.5	401.0	345.0	483.0	554.0	299.5	472.0	315.0	255.0	356.0	312.0
A-73 3.75Kw	269.5	421.0	345.0	480.0	551.0	296.5	467.0	402.0	563.0	646.0	348.5	550.0	368.0	297.5	415.0	363.0
A-73 5.5Kw	299.0	467.0	383.0	533.0	612.0	329.0	519.0	446.0	625.0	718.0	387.0	610.0	408.0	330.0	461.0	403.0
A-73 7.5Kw	329.0	514.0	422.0	586.0	673.0	362.0	571.0	490.0	687.0	789.0	425.0	671.0	450.0	364.0	508.0	443.5
A-73 9.3Kw	345.0	540.0	442.0	615.0	706.0	379.0	598.0	515.0	721.0	827.0	446.0	703.0	472.0	382.0	533.0	466.0
A-82 2.2Kw	245.5	382.5	314.0	435.0	499.0	270.0	424.0	365.0	510.0	584.0	317.0	498.0	333.0	277.5	377.0	329.0
A-82 3.75Kw	292.0	455.5	373.0	519.0	596.0	320.5	506.0	434.0	609.0	698.0	377.0	594.0	397.0	322.0	449.0	392.0
A-82 5.50Kw	324.0	506.0	415.0	577.0	662.0	356.0	562.0	482.0	677.0	777.0	419.0	660.0	442.0	357.0	499.0	436.0
A-82 7.50Kw	355.0	555.0	455.0	633.0	726.0	390.5	615.0	529.0	741.0	851.0	459.0	724.0	485.0	392.0	548.0	478.0
A-82 9.3Kw	373.0	583.0	478.0	664.0	763.0	410.0	647.0	556.0	780.0	894.0	482.0	760.0	510.0	412.0	576.0	503.0
A-82 11Kw	386.0	603.0	495.0	687.0	789.0	424.0	669.0	575.0	806.0	925.0	499.0	786.0	528.0	427.0	596.0	521.0
A-91 3.75Kw	323.0	504.0	414.0	575.0	660.0	355.5	560.0	482.0	674.0	774.0	418.0	659.0	440.0	356.0	498.0	435.0
A-91 5.5Kw	363.0	567.0	465.0	646.0	742.0	399.0	629.0	540.0	758.0	870.0	469.0	740.0	495.0	400.0	560.0	488.0
A-91 7.5Kw	390.0	610.0	500.0	695.0	798.0	429.0	676.0	582.0	816.0	935.0	504.0	796.0	532.0	430.0	602.0	526.0
A-91 9.3Kw	420.0	657.0	538.0	748.0	859.0	461.0	733.0	626.0	878.0	1008.0	543.0	856.0	574.0	464.0	648.0	566.0
A-91 11Kw	440.0	687.0	563.0	784.0	899.0	483.0	762.0	655.0	919.0	1055.0	568.0	896.0	600.0	486.0	678.0	593.0
A-91 15Kw	472.0	738.0	605.0	842.0	966.0	519.0	819.0	704.0	987.0	1133.0	610.0	962.0	646.0	522.0	729.0	637.0
A-100 7.5Kw	513.0	802.0	657.0	914.0	1050.0	564.0	890.0	765.0	1072.0	1232.0	664.0	1046.0	699.0	567.0	791.0	691.0
A-100 9.3Kw	547.0	855.0	701.0	975.0	1119.0	602.0	949.0	815.0	1143.0	1314.0	708.0	1116.0	748.0	604.0	845.0	737.0
A-100 11Kw	568.0	889.0	728.0	1012.0	1164.0	625.0	987.0	847.0	1188.0	1364.0	735.0	1159.0	777.0	627.0	877.0	766.0
A-100 15Kw	615.0	962.0	788.0	1097.0	1260.0	677.0	1067.0	917.0	1286.0	1476.0	795.0	1255.0	841.0	680.0	950.0	830.0
A-100 18.3Kw	647.0	1011.0	829.0	1152.0	1323.0	710.0	1121.0	964.0	1351.0	1550.0	835.0	1318.0	885.0	715.0	999.0	873.0
A-109 9.3Kw	634.0	990.0	811.0	1128.0	1295.0	696.0	1098.0	944.0	1323.0	1521.0	821.0	1292.0	863.0	699.0	976.0	853.0
A-109 11Kw	665.0	1039.0	851.0	1184.0	1360.0	731.0	1153.0	992.0	1390.0	1595.0	860.0	1356.0	907.0	734.0	1024.0	895.0
A-109 15Kw	722.0	1129.0	925.0	1286.0	1478.0	793.0	1252.0	1076.0	1510.0	1733.0	935.0	1473.0	985.0	798.0	1114.0	974.0
A-109 18.3Kw	760.0	1190.0	975.0	1355.0	1555.5	836.0	1319.0	1135.0	1590.0	1825.0	982.5	1550.0	1040.0	840.0	1173.0	1025.0
A-109 22Kw	795.0	1242.0	1017.5	1415.0	1625.0	873.0	1378.0	1184.0	1660.0	1908.0	1028.0	1619.0	1085.0	877.0	1226.0	1071.0
A-118 11Kw	816.0	1277.0	1046.0	1454.0	1670.0	898.5	1415.0	1218.0	1705.0	1960.0	1056.0	1665.0	1112.0	901.0	1260.0	1098.0
A-118 15Kw	900.0	1406.0	1151.0	1603.0	1840.0	988.0	1560.0	1342.0	1880.0	2160.0	1164.0	1835.0	1227.0	994.0	1386.0	1213.0
A-118 18.3Kw	947.0	1482.0	1215.0	1690.0	1940.0	1041.0	1645.0	1414.0	1983.0	2276.0	1227.0	1934.0	1295.0	1048.0	1465.0	1278.0
A-118 22Kw	992.0	1553.0	1273.0	1770.0	2030.0	1090.0	1720.0	1480.0	2075.0	2383.0	1283.0	2024.0	1355.0	1098.0	1534.0	1340.0
A-118 30Kw	1055.0	1648.0	1350.0	1878.0	2155.0	1159.0	1828.0	1573.0	2202.0	2530.0	1362.0	2149.0	1442.0	1167.0	1628.0	1423.0
A-127 15 Kw	1035.0	1620.0	1325.0	1845.0	2120.0	1138.0	1795.0	1545.0	2165.0	2485.0	1340.0	2112.0	1413.0	1143.0	1595.0	1395.0
A-127 18.3 Kw	1092.0	1708.0	1400.0	1945.0	2235.0	1200.0	1895.0	1630.0	2285.0	2620.0	1412.0	2228.0	1490.0	1205.0	1685.0	1470.0
A-127 22 Kw	1143.0	1785.0	1465.0	2035.0	2335.0	1255.0	1980.0	1703.0	2390.0	2740.0	1478.0	2330.0	1560.0	1260.0	1765.0	1540.0
A-127 30 Kw	1235.0	1930.0	1580.0	2200.0	2525.0	1355.0	2140.0	1840.0	2580.0	2960.0	1595.0	2515.0	1685.0	1356.0	1905.0	1665.0
A-127 37 Kw	1295.0	2025.0	1660.0	2310.0	2650.0	1425.0	2248.0	1930.0	2708.0	3105.0	1675.0	2640.0	1775.0	1433.0	2000.0	1773.0
A-136 18.3Kw	1243.0	1943.0	1590.0	2215.0	2540.0	1367.0	2157.0	1850.0	2600.0	2980.0	1607.0	2535.0	1695.0	1370.0	1915.0	1675.0
A-136 22Kw	1300.0	2033.0	1665.0	2315.0	2660.0	1430.0	2255.0	1940.0	2720.0	3125.0	1683.0	2655.0	1775.0	1435.0	2005.0	1755.0
A-136 30Kw	1417.0	2215.0	1815.0	2525.0	2900.0	1557.0	2460.0	2110.0	2965.0	3405.0	1833.0	2890.0	1935.0	1565.0	2190.0	1910.0
A-136 37Kw	1490.0	2330.0	1910.0	2660.0	3050.0	1640.0	2585.0	2225.0	3115.0	3575.0	1927.0	3040.0	2040.0	1645.0	2300.0	2010.0
A-136 45Kw	1565.0	2450.0	2007.0	2790.0	3205.0	1720.0	2715.0	2335.0	3275.0	3755.0	2025.0	3190.0	2145.0	1730.0	2420.0	2115.0
A-145 18.3Kw	1435.0	2244.0	1840.0	2555.0	2935.0	1580.0	2490.0	2140.0	3001.0	3440.0	1858.0	2930.0	1955.0	1586.0	2215.0	1935.0
A-145 22Kw	1514.0	2365.0	1935.0	2690.0	3090.0	1662.0	2622.0	2255.0	3160.0	3631.0	1955.0	3085.0	2065.0	1670.0	2335.0	2040.0
A-145 30Kw	1662.0	2595.0	2130.0	2960.0	3398.0	1825.0	2880.0	2475.0	3470.0	3985.0	2150.0	3385.0	2270.0	1835.0	2560.0	2240.0
A-145 37Kw	1755.0	2740.0	2245.0	3125.0	3590.0	1928.0	3043.0	2615.0	3665.0	4205.0	2265.0	3570.0	2398.0	1935.0	2710.0	2366.0
A-145 45Kw	1832.0	2865.0	2352.0	3270.0	3750.0	2015.0	3180.0	2735.0	3835.0	4400.0	2370.0	3735.0	2505.0	2029.0	2835.0	2475.0
A-154 22Kw	1697.0	2650.0	2175.0	3020.0	3470.0	1865.0	2945.0	2530.0	3550.0	4070.0	2195.0	3460.0	2310.0	1870.0	2615.0	2285.0
A-154 30Kw	1863.0	2910.0	2385.0	3320.0	3810.0	2045.0	3230.0	2775.0	3890.0	4470.0	2410.0	3800.0	2545.0	2055.0	2875.0	2510.0
A-154 37Kw	1955.0	3060.0	2505.0	3485.0	4000.0	2150.0	3390.0	2915.0	4090.0	4695.0	2530.0	3990.0	2670.0	2160.0	3020.0	2635.0
A-154 45Kw	2045.0	3200.0	2625.0	3645.0	4190.0	2250.0	3550.0	3050.0	4280.0	4910.0	2645.0	4170.0	2800.0	2260.0	3160.0	2760.0
A-154 55Kw	2160.0	3375.0	2765.0	3845.0	4415.0	2370.0	3740.0	3215.0	4510.0	5170.0	2790.0	4400.0	2955.0	2385.0	3330.0	2910.0
A-163 22 Kw	1848.0	2882.0	2362.0	3282.0	3770.0	2028.0	3200.0	2750.0	3855.0	4420.0	2385.0	3765.0	2525.0	2035.0	2840.0	2485.0
A-163 30 Kw	2030.0	3172.0	2604.0	3620.0	4150.0	2235.0	3520.0	3025.0	4240.0	4870.0	2625.0	4140.0	2765.0	2242.0	3128.0	2735.0
A-163 37 Kw	2152.0	3358.0	2753.0	3826.0	4394.0	2362.0	3730.0	3200.0	4490.0	5160.0	2780.0	4385.0	2930.0	2370.0	3312.0	2895.0
A-163 45 Kw	2246.0	3510.0	2878.0	4003.0	4594.0	2468.0	3900.0	3350.0	4700.0	5390.0	2905.0	4580.0	3065.0	2478.0	3465.0	3025.0
A-163 55 Kw	2374.0	3710.0	3042.0	4226.0	4852.0	2610.0	4120.0	3540.0	4960.0	5700.0	3070.0	4840.0	3240.0	2619.0	3660.0	3197.0
A-172 30Kw	2300.0	3600.0	2950.0	4100.0	4710.0	2530.0	3990.0	3430.0	4810.0	5520.0	2980.0	4695.0	3135.0	2540.0	3550.0	3100.0
A-172 37Kw	2440.0	3810.0	3120.0	4340.0	4980.0	2680.0	4230.0	3630.0	5100.0	5850.0	3155.0	4970.0	3330.0	2690.0	3755.0	3285.0
A-172 45Kw	2560.0	4000.0	3280.0	4550.0	5230.0	2810.0	4435.0	3810.0	5350.0	6140.0	3310.0	5210.0	3490.0	2820.0	3950.0	3445.0
A-172 55Kw	2705.0	4230.0	3460.0	4820.0	5530.0	2970.0	4690.0	4030.0	5650.0	6480.0	3495.0	5510.0	3690.0	2985.0	4170.0	3650.0
A-172 75Kw	2910.0	4550.0	3730.0	5180.0	5950.0	3195.0	5050.0	4340.0	6080.0	6980.0	3760.0	5930.0	3980.0	3220.0	4490.0	3925.0
A-181 37Kw	3198.0	5002.0	4100.0	5688.0	6530.0	3515.0	5545.0	4765.0	6675.0	7665.0	4140.0	6525.0	4355.0	3525.0	4930.0	4310.0
A-181 45Kw	3405.0	5325.0	4360.0	6055.0	6955.0	3738.0	5900.0	5070.0	7108.0	8158.0	4405.0	6950.0	4640.0	3760.0	5256.0	4580.0
A-181 55Kw	3585.0	5600.0	4585.0	6375.0	7323.0	3940.0	6210.0	5335.0	7485.0	8590.0	4629.0	7310.0	4884.0	3950.0	5522.0	4822.0
A-181 75Kw	3880.0	6068.0	4968.0	6910.0	7932.0	4265.0	6736.0	5780.0	8102.0	9305.0	5015.0	7905.0	5298.0	4285.0	5983.0	5230.0
A-181 100Kw	4128.0	6450.0	5285.0	7360.0	8435.0	4530.0	7150.0	6145.0	8618.0	9890.0	5330.0	8405.0	5638.0	4555.0	6375.0	5565.0
A-190 45Kw	4220.0	6600.0	5410.0	7520.0	8630.0	4640.0	7320.0	6290.0	8820.0	10130.0	5470.0	8600.0	5750.0	4660.0	6500.0	5680.0
A-190 55Kw	4480.0	7000.0	5740.0	7980.0	9150.0	4920.0	7760.0	6670.0	9350.0	10750.0	5800.0	9130.0	6100.0	4940.0	6900.0	6030.0
A-190 75Kw	4870.0	7610.0	6240.0	8670.0	9950.0	5350.0	8450.0	7250.0	10170.0	11680.0	6300.0	9930.0	6650.0	5370.0	7510.0	6560.0
A-190 100Kw	5190.0	8120.0	6650.0	9250.0	10620.0	5710.0	9010.0	7740.0	10850.0	12470.0	6720.0	10580.0	7090.0	5730.0	8020.0	7000.0
A-190 135Kw	5680.0	8880.0	7270.0	10120.0	11600.0	6240.0	9850.0	8460.0	11870.0	13600.0	7330.0	11560.0	7770.0	6270.0	8770.0	7650.0

Advance 2020 Series A R3, 2016 **Four Cell Arrangement** **All Flows in CMH**

Condition Reference #	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00	31.00	32.00	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00	41.00	42.00	43.00	44.00	45.00	46.00	47.00	48.00	49.00
Wet Bulb °C	10.00	10.00	10.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	16.00	16.00	16.00	16.00	16.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	21.00	21.00	21.00	24.00	24.00	24.00	24.00	24.00	27.00	27.00	27.00	27.00	27.00	29.00	29.00	29.00	29.00	29.00	32.20	32.20	32.20	32.20	32.20	21.00	25.56	27.00	28.00
Range °C	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	5.00	5.56	5.00	5.00
Approach °C	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	6.00	3.89	5.00	4.00
Inlet Water Temperature °C	20.00	22.00	23.00	22.00	25.00	23.00	25.00	26.00	25.00	28.00	26.00	28.00	29.00	28.00	31.00	28.00	30.00	31.00	30.00	33.00	31.00	33.00	34.00	33.00	36.00	34.00	36.00	37.00	36.00	39.00	37.00	39.00	40.00	39.00	42.00	39.00	41.00	42.00	41.00	44.00	42.20	44.20	45.20	44.20	47.20	32.00	35.00	37.00	37.00
Outlet Water Temperature °C	14.00	16.00	17.00	14.00	17.00	17.00	19.00	20.00	17.00	20.00	20.00	22.00	23.00	20.00	23.00	22.00	24.00	25.00	22.00	25.00	25.00	27.00	28.00	25.00	28.00	28.00	30.00	31.00	28.00	31.00	31.00	33.00	34.00	31.00	34.00	33.00	35.00	36.00	33.00	36.00	36.20	38.20	39.20	36.20	39.20	27.00	29.44	32.00	32.00
Model No. A-37 to A-190 Four Cell																																																	
A-37 0.75Kw	NA	72.3	83.3	NA	69.0	NA	82.2	94.5	NA	78.3	NA	93.3	107.3	NA	89.0	72.8	101.8	117.0	NA	97.3	83.5	116.3	134.0	71.0	112.8	95.5	134.8	155.0	82.5	130.8	111.0	156.5	180.0	95.8	150.5	122.8	171.5	197.5	105.3	167.0	143.3	201.0	232.0	124.0	196.5	131.5	106.0	148.5	129.5
A-37 1.1Kw	NA	81.0	93.3	NA	77.1	NA	91.8	105.8	NA	87.5	74.8	104.5	120.0	NA	99.8	81.5	114.0	131.0	69.5	109.0	93.3	130.3	150.0	79.5	126.0	107.0	151.0	173.5	92.3	146.3	124.0	175.3	201.5	107.0	168.5	137.8	192.0	221.5	117.8	187.3	160.3	225.5	260.0	139.0	220.5	147.0	118.5	166.5	145.0
A-37 1.5Kw	NA	87.3	100.5	NA	83.0	70.8	99.0	113.8	NA	94.3	80.5	112.5	129.5	68.5	107.5	87.8	122.8	141.3	74.8	117.5	100.3	140.3	161.5	85.5	135.8	115.3	162.5	187.0	99.3	157.5	133.5	188.8	216.5	115.5	181.3	148.3	207.3	238.5	127.0	201.5	172.5	243.0	279.5	149.5	237.0	158.0	127.5	179.0	156.5
A-37 2.2Kw	71.0	99.0	113.8	NA	94.0	80.3	112.0	128.8	68.0	106.8	91.0	127.3	146.5	77.3	121.5	99.3	139.0	160.0	84.5	132.8	113.5	158.8	182.8	96.8	153.8	130.3	184.0	211.5	112.3	178.0	151.0	213.3	245.5	130.5	205.0	167.5	234.3	269.3	143.3	227.5	195.0	275.0	316.5	168.8	268.0	179.5	144.5	202.5	176.5
A-37 3.75Kw	81.0	113.0	130.0	68.5	107.3	91.5	127.8	147.0	77.5	121.8	104.0	145.3	167.3	88.3	138.8	113.3	158.5	182.8	96.3	151.5	129.5	181.3	208.5	110.3	175.3	148.5	209.8	241.3	127.8	203.0	172.3	243.0	279.5	148.5	233.8	191.0	267.0	307.0	163.3	259.5	222.5	313.2	360.5	192.5	305.0	205.0	164.5	231.0	201.5
A-46 1.1Kw	NA	103.8	118.8	NA	NA	NA	117.3	134.5	NA	112.0	134.5	133.0	120.8	NA	127.3	104.3	145.3	166.8	NA	139.0	119.3	166.0	190.5	102.3	160.5	136.5	192.0	220.0	118.3	143.8	158.5	222.5	255.0	137.3	214.3	176.0	244.3	280.0	151.0	238.0	204.0	286.5	328.5	177.5	279.5	186.5	151.3	211.5	184.5
A-46 1.5Kw	NA	112.8	129.5	NA	107.5	NA	127.8	146.8	NA	121.8	146.5	145.0	131.5	NA	138.8	113.8	158.3	182.0	NA	151.8	130.0	181.0	207.5	111.3	175.0	149.0	209.0	240.0	128.8	156.8	173.0	242.5	278.5	149.8	234.0	191.5	266.0	305.5	164.5	259.5	222.5	312.5	359.0	193.5	305.0	204.0	165.0	230.8	201.0
A-46 2.2Kw	NA	127.0	146.0	NA	121.0	103.5	143.8	165.0	NA	137.3	165.3	163.3	148.0	NA	156.3	128.0	178.3	204.5	109.3	170.8	146.3	203.5	234.0	125.0	197.3	167.5	235.5	270.5	144.8	176.0	194.5	279.0	313.5	168.0	263.0	215.5	300.0	344.0	185.0	292.0	250.5	352.0	404.0	217.5	343.0	229.5	185.5	259.5	227.0
A-46 3.75Kw	107.0	149.0	171.0	NA	141.8	121.0	168.3	193.5	103.0	160.5	193.5	191.0	173.5	117.0	183.0	150.0	208.5	239.5	127.8	199.5	171.0	238.0	274.0	146.0	230.5	196.0	275.5	316.5	169.3	205.0	227.5	319.0	366.5	196.5	307.5	252.0	350.5	402.0	216.0	341.0	293.0	411.0	472.0	254.0	401.0	268.5	217.0	304.0	265.0
A-46 5.5Kw	116.5	162.0	186.0	NA	154.3	131.5	183.3	210.5	112.0	174.8	210.5	208.0	188.5	127.0	198.8	163.0	227.0	260.5	138.8	217.0	186.0	259.0	298.0	158.8	251.0	213.0	299.5	344.0	184.0	222.5	247.0	347.0	398.5	213.5	334.0	273.5	380.5	437.0	234.5	370.5	318.0	446.5	512.0	275.8	435.0	292.0	236.0	330.0	288.0
A-55 1.1Kw	NA	120.8	138.5	NA	115.0	NA	136.5	156.5	NA	130.3	111.5	155.0	178.0	NA	148.0	121.5	169.3	194.0	104.0	162.0	139.0	193.0	221.5	119.0	187.3	159.0	223.3	256.3	138.0	217.0	184.5	258.5	296.5	160.0	249.3	204.5	283.5	325.3	175.5	276.5	237.5	332.5	380.0	207.0	324.0	216.5	176.0	246.0	214.5
A-55 1.5Kw	NA	133.0	152.5	NA	126.8	108.3	150.3	172.5	NA	143.5	122.8	170.8	196.0	104.8	163.5	134.0	186.3	214.0	114.5	178.5	153.0	212.5	244.5	131.0	206.3	175.5	246.3	282.5	151.5	239.3	203.0	285.0	327.5	176.3	275.0	225.0	313.5	359.5	193.5	305.0	262.0	367.5	421.0	228.0	358.0	239.0	194.0	271.0	236.5
A-55 2.2Kw	108.0	150.0	172.3	NA	143.0	122.0	169.5	195.0	104.0	162.3	138.5	193.0	221.5	118.3	184.5	151.0	210.5	242.0	129.3	201.8	172.8	240.5	276.5	147.8	233.3	198.0	278.5	320.0	171.3	270.3	229.5	322.5	370.3	199.0	310.5	254.5	354.5	407.0	218.5	345.0	297.0	416.0	478.0	257.5	406.0	271.0	219.5	306.0	268.0
A-55 3.75Kw	126.0	175.3	201.3	107.3	167.0	142.5	198.3	227.8	121.3	189.3	161.8	225.3	258.5	137.8	215.5	176.3	246.0	282.5	150.5	235.3	201.5	281.0	323.0	172.3	272.3	231.0	325.3	373.5	199.5	315.0	268.0	377.0	433.0	232.0	363.0	297.0	413.5	475.0	255.0	402.5	345.5	485.0	558.0	300.0	473.5	316.5	256.0	358.0	312.5
A-55 5.5Kw	137.0	190.3	218.3	116.3	181.0	154.5	215.0	247.3	131.5	205.3	175.5	244.5	280.5	149.5	233.5	191.5	266.5	306.5	163.3	255.3	218.5	304.5	350.3	186.8	295.0	250.5	352.3	405.0	216.5	341.8	291.0	408.0	469.0	251.5	393.0	322.0	448.5	515.0	276.5	436.5	375.0	526.0	604.0	325.3	513.0	343.5	278.0	388.0	339.0
A-55 7.5Kw	152.3	212.0	243.0	129.3	201.5	172.0	239.5	275.0	146.0	228.5	195.3	271.8	312.5	166.0	260.0	212.8	296.5	340.8	181.5	284.0	243.0	338.8	389.5	207.5	328.3	279.0	392.0	450.5	240.3	380.0	323.0	454.0	521.5	279.5	437.0	357.8	498.0	572.0	307.0	484.5	416.5	584.0	670.5	361.0	570.0	382.0	309.0	432.0	376.5
A-64 1.5Kw	122.3	169.5	194.5	104.0	161.5	138.0	191.5	219.5	117.5	183.3	156.5	218.0	250.0	133.8	208.5	171.0	237.5	272.5	146.0	228.0	195.0	271.0	311.0	167.0	263.0	223.5	313.5	360.0	193.5	304.5	259.0	364.0	417.0	225.0	350.5	287.5	399.0	458.0	247.0	389.0	334.0	468.0	536.0	291.0	457.0	305.0	248.0	346.0	302.0
A-64 2.2Kw	135.8	188.5	216.0	115.3	179.5	153.5	213.0	244.5	130.5	203.5	174.0	242.0	277.5	148.5	231.5	190.0	264.0	303.5	162.0	253.0	216.5	301.0	346.0	185.5	292.5	248.5	349.0	400.0	215.0	338.5	288.0	405.0	464.5	249.5	389.5	319.5	444.0	510.0	274.5	432.5	372.0	521.0	598.0	323.0	509.0	340.0	275.5	385.0	336.0
A-64 3.75Kw	159.5	221.5	254.0	135.5	210.8	180.0	250.0	287.5	153.0	239.0	204.5	284.5	326.5	174.0	272.0	223.0	310.5	356.0	190.0	297.0	254.5	354.0	407.0	217.5	343.0	292.0	410.0	470.5	252.0	397.5	338.0	475.5	546.0	292.5	458.0	375.0	522.0	599.0	321.5	507.5	436.0	612.0	702.0	379.0	597.0	400.0	323.0	452.0	395.0
A-64 5.5Kw	176.8	245.8	282.3	150.0	234.0	200.0	278.0	319.0	169.8	265.5	227.0	316.0	363.0	193.5	302.0	247.5	344.5	396.0	211.0	330.0	282.5	393.0	452.0	241.5	381.3	323.5	455.0	523.0	279.5	441.5	375.0	527.0	606.0	325.0	508.0	416.0	578.0	664.5	356.5	563.0	484.0	679.0	778.0	420.0	662.0	444.0	359.0	501.0	438.0
A-64 7.5Kw	188.5	262.5	301.0	160.0	249.5	213.0	297.0	341.0	181.0	283.0	241.8	337.0	387.0	206.0	322.0	264.0	367.5	422.0	225.0	352.0	301.0	420.0	481.5	257.0	406.5	344.8	485.5	557.5	297.8	470.0	400.0	562.0	645.0	345.5	540.5	443.0	616.0	707.0	379.8	599.5	515.0	723.0	829.0	447.0	705.0	473.0	382.0	534.0	467.0
A-64 9.3Kw	203.5	282.8	325.0	172.5	270.5	229.5	320.0	367.5	195.0	305.0	260.5	363.0	416.8	221.5	347.0	284.0	396.0	454.5	242.0	379.0	325.0	452.0	519.0	276.5	437.5	371.5	522.5	600.0	320.5	506.5	430.5	605.0	695.0	372.5	582.0	477.0	664.0	761.0	409.0	645.0	554.0	778.0	892.0	481.0	758.0	510.0	412.0	575.0	503.0
A-73 2.2Kw	163.5	227.0	260.5	NA	216.5	185.0	256.5	294.5	157.5	245.5	210.0	291.5	335.0	179.0	279.5	229.0	318.0	365.0	195.5	305.0	261.5	363.5	417.0	223.5	352.5	299.5	420.0	482.0	259.0	408.5	347.0	487.5	559.0	301.0	470.0	385.0	534.0	614.0	331.0	521.0	448.0	628.0	720.0	389.0	613.0	409.0	332.0	463.0	405.0
A-73 3.75Kw	190.5	265.0	303.5	162.0	252.0	215.5	299.5	344.0	183.5	286.0	244.5	340.5	390.5	208.5	325.5	266.5	371.0	426.0	227.5	355.5	304.5	424.0	487.0	260.5	411.0	349.0	491.0	564.0	302.0	476.0	405.0	569.0	654.0	351.0	548.0	449.0	624.0	717.0	386.0	608.0	523.0	734.0	842.0	454.0	715.5	478.0	387.0	541.0	472.0
A-73 5.5Kw	212.0	294.5	338.0	180.0	280.5	239.5	333.0	382.0	204.0	318.0	272.0	378.0	435.0	231.5	362.0	296.5	413.0	474.0	253.0	395.0	338.5	471.0	542.0	289.5	457.0	388.0	545.0	626.5	335.5	529.0	450.0	633.0	727.0	390.0	609.0	499.0	694.0	798.0	428.0	676.0	581.0	815.0	936.0	504.0	795.0	532.0	430.0	601.0	525.0
A-73 7.5Kw	234.0	325.0	373.0	198.5	309.5	264.5	368.0	422.0	225.0	351.0	299.8	418.0	480.0	255.5	399.5	327.0	455.5	523.0	279.0	436.5	373.5	521.0	598.0	319.0	504.0	428.0	602.0	692.0	369.5	584.0	496.5	698.0	801.0	429.0	672.0	550.0	765.0	880.0	472.0	745.0	641.0	899.0	1030.0	555.0	875.5	587.0	474.0	664.0	578.5
A-73 9.3Kw	246.0	341.5	392.5	208.5	325.5	277.5	387.0	444.0	236.0	369.0	315.0	439.0	504.0	268.5	419.5	343.5	479.0	550.0	293.0	458.5	395.0	547.0	629.0	335.5	530.0	449.5	632.0	726.0	388.0	613.0	522.0	732.0	841.0	451.0	706.0	578.0	804.0	923.0	496.0	782.0	672.0	943.0	1082.0	583.0	918.5	617.0	499.0	697.0	608.0
A-82 2.2Kw	NA	240.5	276.0	NA	229.5	NA	272.0	312.0	NA	260.0	223.0	309.0	354.0	NA	296.0	243.0	337.0	387.0	207.5	323.0	277.0	385.0	442.0	237.5	373.5	318.0	445.0	511.0	275.0	433.0	368.0	516.0	592.0	319.0	497.0	408.0	566.0	649.0	351.0	552.0	474.0	663.0	760.0	412.0	648.0	434.0	351.0	490.0	428.0
A-82 3.75Kw	206.5	286.5	329.0	NA	273.0	233.0	324.0	372.0	NA	309.5	265.0	368.0	423.0	226.0	352.5	289.0	402.0	461.0	246.5	385.0	330.0	459.0	527.0	282.0	445.0	378.0	531.0	610.0	327.0	516.0	438.0	616.0	706.0	380.0	594.0	486.0	676.0	776.0	418.0	658.0	566.0	793.0	911.0	491.0	775.0	518.0	419.0	585.0	511.0
A-82 5.50Kw	229.5	319.0	366.0	NA	304.0	259.5	361.0	414.0	221.0	344.5	294.5	410.0	471.0	251.0	392.0	321.0	447.0	514.0	274.0	428.0	367.0	511.0	587.0	314.0	495.0	420.0	591.0	679.0	363.5	574.0	488.0	685.0	786.0	422.0	660.0	541.0	752.0	864.0	464.0	733.0	629.0	883.0	1013.0	546.0	862.0	576.0	466.0	651.0	569.0
A-82 7.50Kw	255.5	351.0	403.0	214.5	334.0	285.0	397.0	456.0	242.5	379.0	324.0	451.0	518.0	276.0	431.0	353.0	492.0	565.0	301.0	471.0	403.0	562.0	645.0	344.5	544.0	462.0	650.0	747.0	399.0	630.0	536.0	753.0	865.0	464.0	725.0	594.0	826.0	949.0	509.0	805.0	691.0	970.0	1112.0	599.0	946.0	633.0	512.0	715.0	625.0
A-82 9.3Kw	266.0	369.0	424.0	225.5	352.0	300.0	418.0	480.0	255.0	399.0	341.0	474.0	545.0	290.0	454.0	372.0	517.0	595.0	317.0	495.0	425.0	591.0	679.0	362.5	572.0	486.0	684.0	785.0	420.0	663.0	564.0	792.0	910.0	488.0	762.0	625.0	868.0	998.0	536.0	846.0	726.0	1019.0	1169.0	630.0	1006.0	667.0	539.0	753.0	657.0
A-82 11Kw	275.0	383.0	439.0	233.5	364.0	311.0	433.0	497.0	264.5	413.0	353.0	491.0	564.0	300.5	470.0	385.0	536.0	616.0	328.0	513.0	440.0	612.0	704.0	375.0	593.0	504.0	708.0	814.0	435.0	687.0	584.0	820.0	942.0	505.0	789.0	647.0	900.0	1033.0	555.0	875.0	752.0	1054.0	1210.0	652.0	1028.0	691.0	558.0	780.0	681.0
A-91 3.75Kw	NA	316.0	362.0	NA	301.0	NA	357.0	410.0	NA	341.0	292.0	406.0	466.0	NA	388.5	319.0	443.0	509.0	272.0	424.5	364.0	506.0	294.0	311.5	491.0	417.0	585.0	672.0	361.0	569.0	484.0	678.0	779.0	419.0	654.0	536.0	745.0	855.0	461.0	726.0	624.0	875.0	1002.0	542.0	854.0	569.0	462.0	645.0	563.0
A-91 5.5Kw	NA	355.5	408.0	NA	339.0	289.0	402.0	462.0	NA	384.0	328.0	457.0	525.0	280.0	437.0	358.0	499.0	573.0	306.0	478.0	409.0	570.0	330.0	350.0	552.0	469.0	659.0	757.0	405.0	640.0	544.0	764.0	878.0	471.0	736.0	603.0	838.0	964.0	518.0	817.0	701.0	985.0	1130.0	609.0	960.0	641.0	520.0	725.0	635.0
A-91 7.5Kw	276.0	383.0	439.0	NA	365.0	311.0	433.0	497.0	NA	413.5	354.0	492.0	565.0	301.5	471.0	386.0	537.0	617.0	329.0	514.0	441.0	614.0	355.0	377.0	595.0	505.0	710.0	815.0	436.0	689.0	586.0	823.0	945.0	507.0	793.0	649.0	904.0	1038.0	557.0	880.0	755.0	1059.0	1218.0	656.0	1034.0	691.0	560.0	781.0	683.0
A-91 9.3Kw	297.0	413.0	474.0	NA	393.5	336.0	467.0	537.0	286.0	446.0	381.0	531.0	610.0	325.0	508.0	416.0	579.0	665.0	355.0	555.0	475.0	661.0	383.0	406.0	641.0	544.0	766.0	880.0	470.0	743.0	631.0	887.0	1020.0	546.0	854.0	700.0	973.0	1118.0	600.0	948.0	814.0	1143.0	1312.0	706.0	1114.0	747.0	604.0	843.0	737.0
A-91 11Kw	312.0	433.0	498.0	NA	413.0	352.0	490.0	563.0	299.5	468.0	400.0	557.0	640.0	340.5	532.0	436.0	607.0	698.0	372.0	582.0	498.0	693.0	401.0	425.0	672.0	570.0	803.0	922.0	493.0	779.0	661.0	930.0	1068.0	572.0	896.0	733.0	1020.0	1172.0	629.0	993.0	853.0	1198.0	1375.0	740.0	1168.0	783.0	632.0	883.0	773.0
A-91 15Kw	336.0	467.0	536.0	285.0	445.0	380.0	528.0	607.0	323.0	504.0	431.0	600.0	690.0	367.0	574.0	470.0	654.0	752.0	400.0	626.0	537.0	747.0	432.0	458.0	724.0	615.0	864.0	993.0	530.0	838.0	712.0	1002.0	1149.0	616.0	964.0	789.0	1098.0	1261.0	677.0	1068.0	918.0	1288.0	1478.0	796.0	1256.0	842.0	682.0	953.0	831.0
A-100 7.5Kw	NA	502.0	576.0	NA	478.0	408.0	567.0	652.0	NA	542.0	463.0	645.0	740.0	395.0	617.0	505.0	703.0	808.0	431.0	674.0	577.0	804.0	924.0	493.0	779.0	662.0	930.0	1068.0	571.0	902.0	768.0	1078.0	1238.0	665.0	1038.0	850.0	1184.0	1360.0	730.0	1152.0	990.0	1390.0	1596.0	812.0	1356.0	905.0	732.0	1024.0	895.0
A-100 9.3Kw	386.0	536.0	615.0	NA	510.0	436.0	606.0	696.0	371.0	579.0	495.0	688.0	791.0	422.0	659.0	539.0	752.0	864.0	460.0	720.0	616.0	858.0	986.0	527.0	832.0	706.0	992.0	1142.0	610.0	965.0	820.0	1152.0	1324.0	710.0	1110.0	908.0	1265.0	1453.0	780.0	1232.0	1058.0	1484.0	1704.0	866.0	1448.0	968.0	782.0	1094.0	956.0
A-100 11Kw	401.0	558.0	640.0	NA	531.0	453.0	631.0	724.0	386.0	602.0	514.0	717.0	822.0	438.0	685.0	561.0	782.0	898.0	479.0	749.0	641.0	894.0	1026.0	547.0	865.0	734.0	1034.0	1188.0	634.0	1002.0	852.0	1198.0	1374.0	737.0	1154.0	944.0	1314.0	1510.0	810.0	1280.0	1098.0	1542.0	1770.0	900.0	1506.0	1006.0	814.0	1138.0	994.0
A-100 15Kw	435.0	606.0	696.0	370.0	577.0	492.0	685.0	787.0	418.0	654.0	558.0	778.0	894.0	476.0	744.0	609.0	849.0	976.0	519.0	813.0	696.0	970.0	1114.0	594.0	939.0	797.0	1122.0	1288.0	689.0	1088.0	924.0	1300.0	1494.0	799.0	1250.0	1024.0	1426.0	1638.0	878.0	1388.0	1192.0	1672.0	1922.0	977.0	1630.0	1092.0	884.0	1236.0	1078.0
A-100 18.3Kw	459.0	638.0	732.0	389.0	607.0	518.0	721.0	829.0	440.0	688.0	588.0	820.0	941.0	501.0	783.0	641.0	893.0	1023.0	547.0	855.0	732.0	1020.0	1172.0	625.0	988.0	839.0	1180.0	1356.0	725.0	1145.0	973.0	1368.0	1570.0	842.0	1316.0	1078.0	1500.0	1722.0	925.0	1460.0	1254.0	1760.0	2020.0	1026.0	1716.0	1150.0	930.0	1300.0	1134.0
A-109 9.3Kw	NA	616.0	706.0	NA	587.0	501.0	697.0	800.0	NA	665.0	569.0	792.0	910.0	485.0	758.0	620.0	864.0	993.0	530.0	828.0	709.0	988.0	1134.0	606.0	956.0	812.0	1142.0	1312.0	702.0	1108.0	942.0	1324.0	1520.0	816.0	1276.0	1045.0	1454.0	1670.0	898.0	1415.0	1216.0	1706.0	1962.0	1056.0	1668.0	1112.0	900.0	1260.0	1098.0
A-109 11Kw	NA	647.0	742.0	NA	617.0	526.0	732.0	840.0	NA	699.0	598.0	831.0	955.0	510.0	796.0	652.0	908.0	1042.0	556.0	870.0	746.0	1036.0	1192.0	637.0	1006.0	854.0	1200.0	1378.0	738.0	1166.0	990.0	1392.0	1600.0	858.0	1342.0	1098.0	1528.0	1754.0	942.0	1488.0	1278.0	1796.0	2062.0	1110.0	1752.0	1168.0	946.0	1324.0	1154.0
A-109 15Kw	508.0	705.0	810.0	NA	671.0	573.0	798.0	916.0	488.0	761.0	650.0	906.0	1040.0	555.0	866.0	710.0	988.0	1136.0	606.0	946.0	810.0	1130.0	1298.0	692.0	1095.0	930.0	1308.0	1501.0	802.0	1268.0	1078.0	1514.0	1740.0	932.0	1460.0	1195.0	1662.0	1980.0	1025.0	1620.0	1392.0	1952.0	2242.0	1206.0	1906.0	1272.0	1030.0	1442.0	1256.0
A-109 18.3Kw	535.0	744.0	854.0	NA	708.0	605.0	842.0	966.0	514.0	803.0	686.0	955.0	1098.0	585.0	915.0	748.0	1042.0	1198.0	638.0	999.0	856.0	1192.0	1368.0	730.0	1154.0	980.0	1378.0	1584.0	846.0	1338.0	1136.0	1598.0	1834.0	984.0	1538.0	1260.0	1754.0	2014.0	1080.0	1708.0	1468.0	2058.0	2364.0	1272.0	2010.0	1344.0	1086.0	1518.0	1326.0
A-109 22Kw	560.0	778.0	894.0	476.0	741.0	632.0	880.0	1012.0	538.0	840.0	710.0	1000.0	1149.0	612.0	956.0	783.0	1090.0	1255.0	668.0	1044.0	894.0	1248.0	1434.0	764.0	1207.0	1026.0	1442.0	1655.0	886.0	1398.0	1190.0	1670.0	1920.0	1028.0	1610.0	1320.0	1833.0	2105.0	1130.0	1786.0	1535.0	2152.0	2472.0	1330.0	2098.0	1405.0	1136.0	1590.0	1386.0
A-118 11Kw	NA	800.0	919.0	NA	762.0	651.0	905.0	1039.0	NA	864.0	739.0	1029.0	1180.0	630.0	983.0	807.0	1121.0	1287.0	688.0	1075.0	920.0	1280.0	1473.0	787.0	1243.0	1057.0	1483.0	1703.0	913.0	1440.0	1223.0	1720.0	1975.0	1060.0	1657.0	1357.0	1885.0	2165.0	1165.0	1837.0	1580.0	2215.0	2545.0	1370.0	2163.0	1445.0	1170.0	1635.0	1428.0
A-118 15Kw	636.0	883.0	1015.0	NA	841.0	719.0	1000.0	1147.0	611.0	953.0	815.0	1136.0	1305.0	695.0	1087.0	890.0	1240.0	1423.0	759.0	1187.0	1017.0	1415.0	1625.0	869.0	1370.0	1165.0	1637.0	1880.0	1007.0	1590.0	1350.0	1900.0	2180.0	1170.0	1827.0	1500.0	2085.0	2390.0	1285.0	2030.0	1744.0	2445.0	2805.0	1513.0	2385.0	1595.0	1290.0	1805.0	1575.0
A-118 18.3Kw	671.0	933.0	1070.0	NA	888.0	759.0	1055.0	1213.0	645.0	1007.0	861.0	1200.0	1377.0	733.0	1147.0	940.0	1307.0	1503.0	800.0	1253.0	1073.0	1495.0	1717.0	917.0	1447.0	1230.0	1730.0	1985.0	1063.0	1677.0	1425.0	2005.0	2300.0	1233.0	1930.0	1580.0	2200.0	2525.0	1355.0	2140.0	1840.0	2580.0	2960.0	1595.0	2515.0	1685.0	1362.0	1905.0	1665.0
A-118 22Kw	705.0	979.0	1125.0	NA	931.0	795.0	1107.0	1270.0	677.0	1057.0	903.0	1257.0	1443.0	769.0	1203.0	985.0	1373.0	1577.0	840.0	1313.0	1125.0	1567.0	1800.0	961.0	1517.0	1290.0	1810.0	2080.0	1113.0	1757.0	1495.0	2100.0	2410.0	1293.0	2023.0	1655.0	2305.0	2645.0	1420.0	2245.0	1926.0	2705.0	3105.0	1670.0	2636.0	1765.0	1430.0	1995.0	1745.0
A-118 30Kw	750.0	1043.0	1197.0	636.0	993.0	847.0	1180.0	1355.0	720.0	1125.0	961.0	1340.0	1537.0	819.0	1280.0	1050.0	1460.0	1677.0	893.0	1397.0	1197.0	1667.0	1917.0	1023.0	1615.0	1373.0	1930.0	2215.0	1183.0	1870.0	1590.0	2235.0	2565.0	1375.0	2150.0	1765.0	2450.0	2815.0	1510.0	2385.0	2050.0	2875.0	3300.0	1777.0	2805.0	1880.0	1520.0	2125.0	1855.0
A-127 15 Kw	NA	1013.0	1163.0	NA	965.0	823.0	1145.0	1315.0	NA	1093.0	935.0	1303.0	1495.0	798.0	1246.0	1020.0	1420.0	1632.0	872.0	1360.0	1167.0	1622.0	1865.0	996.0	1573.0	1335.0	1878.0	2155.0	1155.0	1823.0	1550.0	2175.0	2500.0	1343.0	2098.0	1720.0	2390.0	2745.0	1475.0	2328.0	2000.0	2805.0	3220.0	1738.0	2740.0	1830.0	1480.0	2070.0	1805.0
A-127 18.3 Kw	770.0	1070.0	1228.0	NA	1020.0	870.0	1210.0	1390.0	NA	1156.0	987.0	1375.0	1580.0	842.0	1315.0	1078.0	1500.0	1724.0	920.0	1436.0	1230.0	1715.0	1970.0	1053.0	1660.0	1410.0	1985.0	2280.0	1218.0	1925.0	1635.0	2300.0	2640.0	1415.0	2215.0	1815.0	2525.0	2900.0	1555.0	2455.0	2110.0	2960.0	3400.0	1830.0	2890.0	1930.0	1565.0	2185.0	1910.0
A-127 22 Kw	806.0	1120.0	1285.0	NA	1068.0	910.0	1268.0	1455.0	775.0	1210.0	1035.0	1440.0	1653.0	882.0	1378.0	1128.0	1570.0	1803.0	962.0	1505.0	1288.0	1795.0	2060.0	1100.0	1740.0	1478.0	2075.0	2385.0	1275.0	2015.0	1713.0	2405.0	2765.0	1483.0	2320.0	1898.0	2640.0	3035.0	1630.0	2570.0	2210.0	3100.0	3560.0	1918.0	3025.0	2025.0	1635.0	2285.0	2000.0
A-127 30 Kw	873.0	1215.0	1393.0	742.0	1157.0	988.0	1375.0	1578.0	839.0	1310.0	1120.0	1560.0	1793.0	955.0	1492.0	1222.0	1700.0	1953.0	1043.0	1630.0	1395.0	1945.0	2235.0	1192.0	1883.0	1598.0	2250.0	2585.0	1380.0	2180.0	1855.0	2605.0	2990.0	1603.0	2510.0	2055.0	2860.0	3285.0	1763.0	2785.0	2390.0	3355.0	3850.0	2075.0	3270.0	2190.0	1770.0	2480.0	2165.0
A-127 37 Kw	920.0	1280.0	1468.0	780.0	1217.0	1038.0	1445.0	1660.0	882.0	1378.0	1178.0	1642.0	1885.0	1003.0	1570.0	1287.0	1790.0	2058.0	1095.0	1715.0	1468.0	2045.0	2350.0	1255.0	1980.0	1685.0	2365.0	2715.0	1453.0	2295.0	1950.0	2740.0	3145.0	1685.0	2638.0	2160.0	3005.0	3455.0	1855.0	2925.0	2515.0	3530.0	4050.0	2180.0	3440.0	2305.0	1865.0	2605.0	2275.0
A-136 18.3Kw	NA	1213.0	1390.0	NA	1155.0	985.0	1370.0	1575.0	NA	1309.0	1120.0	1557.0	1790.0	955.0	1490.0	1220.0	1700.0	1950.0	1043.0	1627.0	1395.0	1940.0	2230.0	1193.0	1883.0	1600.0	2245.0	2580.0	1383.0	2180.0	1855.0	2605.0	2990.0	1605.0	2510.0	2055.0	2860.0	3285.0	1765.0	2785.0	2395.0	3360.0	3855.0	2080.0	3280.0	2190.0	1770.0	2475.0	2160.0
A-136 22Kw	915.0	1270.0	1457.0	NA	1210.0	1033.0	1435.0	1650.0	NA	1371.0	1173.0	1633.0	1875.0	1000.0	1560.0	1280.0	1780.0	2045.0	1091.0	1705.0	1460.0	2035.0	2340.0	1250.0	1973.0	1675.0	2355.0	2705.0	1447.0	2285.0	1945.0	2730.0	3135.0	1680.0	2630.0	2155.0	3000.0	3445.0	1850.0	2920.0	2505.0	3520.0	4040.0	2175.0	3435.0	2295.0	1855.0	2595.0	2265.0
A-136 30Kw	1000.0	1387.0	1595.0	NA	1323.0	1130.0	1570.0	1805.0	960.0	1500.0	1280.0	1785.0	2050.0	1091.0	1705.0	1397.0	1945.0	2235.0	1193.0	1865.0	1595.0	2225.0	2555.0	1365.0	2155.0	1830.0	2575.0	2955.0	1580.0	2495.0	2120.0	2980.0	3425.0	1835.0	2870.0	2355.0	3270.0	3760.0	2020.0	3185.0	2735.0	3845.0	4410.0	2375.0	3750.0	2510.0	2025.0	2835.0	2475.0
A-136 37Kw	1053.0	1465.0	1680.0	NA	1393.0	1190.0	1655.0	1900.0	1011.0	1580.0	1350.0	1880.0	2160.0	1150.0	1797.0	1475.0	2050.0	2355.0	1255.0	1965.0	1685.0	2345.0	2695.0	1435.0	2270.0	1930.0	2710.0	3115.0	1665.0	2630.0	2235.0	3140.0	3610.0	1935.0	3025.0	2480.0	3450.0	3960.0	2125.0	3355.0	2880.0	4050.0	4645.0	2500.0	3945.0	2640.0	2135.0	2990.0	2610.0
A-136 45Kw	1107.0	1540.0	1770.0	940.0	1467.0	1253.0	1743.0	2000.0	1065.0	1663.0	1423.0	1980.0	2275.0	1210.0	1893.0	1550.0	2160.0	2480.0	1320.0	2067.0	1770.0	2465.0	2835.0	1510.0	2390.0	2030.0	2850.0	3275.0	1750.0	2765.0	2350.0	3305.0	3795.0	2035.0	3180.0	2605.0	3625.0	4165.0	2235.0	3530.0	3030.0	4250.0	4880.0	2630.0	4145.0	2780.0	2245.0	3140.0	2745.0
A-145 18.3Kw	NA	1405.0	1615.0	NA	1340.0	1145.0	1590.0	1825.0	NA	1520.0	1300.0	1805.0	2075.0	1108.0	1730.0	1418.0	1970.0	2265.0	1210.0	1890.0	1620.0	2255.0	2585.0	1385.0	2185.0	1855.0	2605.0	2990.0	1605.0	2530.0	2150.0	3020.0	3470.0	1865.0	2910.0	2385.0	3320.0	3810.0	2050.0	3230.0	2775.0	3890.0	4470.0	2410.0	3800.0	2540.0	2055.0	2870.0	2510.0
A-145 22Kw	NA	1485.0	1703.0	NA	1413.0	1208.0	1678.0	1925.0	NA	1603.0	1370.0	1905.0	2190.0	1168.0	1825.0	1495.0	2080.0	2390.0	1275.0	1993.0	1710.0	2375.0	2730.0	1460.0	2305.0	1955.0	2750.0	3155.0	1690.0	2670.0	2270.0	3185.0	3665.0	1965.0	3070.0	2515.0	3500.0	4020.0	2160.0	3410.0	2925.0	4110.0	4720.0	2540.0	4010.0	2680.0	2170.0	3030.0	2650.0
A-145 30Kw	1175.0	1635.0	1875.0	NA	1555.0	1330.0	1850.0	2120.0	1130.0	1765.0	1510.0	2100.0	2410.0	1285.0	2008.0	1645.0	2290.0	2630.0	1405.0	2195.0	1880.0	2615.0	3005.0	1605.0	2535.0	2155.0	3025.0	3475.0	1860.0	2940.0	2500.0	3505.0	4030.0	2160.0	3380.0	2770.0	3850.0	4420.0	2375.0	3750.0	3200.0	4520.0	5190.0	2795.0	4410.0	2950.0	2390.0	3340.0	2910.0
A-145 37Kw	1245.0	1730.0	1985.0	NA	1645.0	1405.0	1955.0	2245.0	1195.0	1865.0	1595.0	2220.0	2550.0	1360.0	2123.0	1740.0	2425.0	2785.0	1483.0	2320.0	1985.0	2765.0	3180.0	1695.0	2680.0	2280.0	3200.0	3675.0	1965.0	3105.0	2640.0	3705.0	4260.0	2285.0	3570.0	2925.0	4070.0	4670.0	2510.0	3960.0	3400.0	4770.0	5480.0	2950.0	4660.0	3120.0	2520.0	3530.0	3080.0
A-145 45Kw	1303.0	1810.0	2080.0	1105.0	1725.0	1470.0	2050.0	2350.0	1250.0	1955.0	1670.0	2325.0	2670.0	1422.0	2225.0	1820.0	2535.0	2915.0	1553.0	2430.0	2080.0	2900.0	3330.0	1775.0	2805.0	2385.0	3350.0	3850.0	2060.0	3250.0	2765.0	3885.0	4460.0	2390.0	3735.0	3060.0	4260.0	4890.0	2625.0	4145.0	3560.0	5000.0	5740.0	3090.0	4870.0	3270.0	2640.0	3690.0	3220.0
A-154 22Kw	NA	1660.0	1905.0	NA	1580.0	1350.0	1877.0	2155.0	NA	1793.0	1535.0	2135.0	2450.0	1307.0	2040.0	1673.0	2325.0	2675.0	1427.0	2230.0	1910.0	2660.0	3055.0	1633.0	2580.0	2190.0	3075.0	3535.0	1895.0	2990.0	2540.0	3570.0	4100.0	2200.0	3440.0	2815.0	3920.0	4500.0	2415.0	3815.0	3280.0	4600.0	5280.0	2845.0	4490.0	3000.0	2425.0	3390.0	2960.0
A-154 30Kw	1313.0	1825.0	2095.0	NA	1740.0	1485.0	2065.0	2370.0	NA	1970.0	1685.0	2345.0	2695.0	1437.0	2245.0	1840.0	2560.0	2940.0	1570.0	2450.0	2100.0	2925.0	3360.0	1795.0	2835.0	2410.0	3385.0	3890.0	2080.0	3285.0	2790.0	3920.0	4510.0	2415.0	3780.0	3100.0	4310.0	4950.0	2655.0	4190.0	3600.0	5060.0	5810.0	3125.0	4930.0	3300.0	2670.0	3730.0	3255.0
A-154 37Kw	1383.0	1920.0	2205.0	NA	1830.0	1560.0	2175.0	2495.0	1330.0	2075.0	1775.0	2470.0	2835.0	1510.0	2360.0	1935.0	2695.0	3090.0	1650.0	2580.0	2210.0	3075.0	3535.0	1887.0	2980.0	2530.0	3560.0	4090.0	2185.0	3455.0	2935.0	4120.0	4740.0	2540.0	3975.0	3260.0	4530.0	5200.0	2790.0	4410.0	3785.0	5320.0	6100.0	3290.0	5180.0	3470.0	2805.0	3920.0	3425.0
A-154 45Kw	1450.0	2015.0	2310.0	NA	1917.0	1635.0	2275.0	2615.0	1393.0	2175.0	1860.0	2585.0	2970.0	1583.0	2475.0	2025.0	2825.0	3245.0	1727.0	2700.0	2315.0	3225.0	3700.0	1975.0	3125.0	2650.0	3730.0	4280.0	2290.0	3620.0	3075.0	4320.0	4960.0	2660.0	4160.0	3410.0	4740.0	5450.0	2925.0	4620.0	3965.0	5570.0	6390.0	3440.0	5430.0	3640.0	2940.0	4110.0	3590.0
A-154 55Kw	1530.0	2130.0	2445.0	1300.0	2025.0	1730.0	2405.0	2765.0	1470.0	2295.0	1965.0	2730.0	3140.0	1670.0	2615.0	2140.0	2980.0	3425.0	1825.0	2855.0	2445.0	3405.0	3910.0	2085.0	3300.0	2800.0	3940.0	4520.0	2415.0	3820.0	3250.0	4560.0	5240.0	2805.0	4390.0	3600.0	5010.0	5750.0	3085.0	4870.0	4190.0	5870.0	6740.0	3630.0	5730.0	3840.0	3100.0	4340.0	3790.0
A-163 22 Kw	NA	1800.0	2065.0	NA	1715.0	1463.0	2035.0	2335.0	NA	1945.0	1665.0	2310.0	2655.0	NA	2210.0	1815.0	2520.0	2895.0	1550.0	2415.0	2070.0	2880.0	3310.0	1770.0	2795.0	2375.0	3335.0	3830.0	2055.0	3240.0	2755.0	3865.0	4440.0	2385.0	3725.0	3050.0	4240.0	4870.0	2620.0	4135.0	3550.0	4980.0	5720.0	3090.0	4860.0	3250.0	2630.0	3670.0	3210.0
A-163 30 Kw	NA	1985.0	2275.0	NA	1890.0	1615.0	2245.0	2575.0	NA	2143.0	1830.0	2550.0	2930.0	1563.0	2440.0	2000.0	2780.0	3195.0	1705.0	2665.0	2285.0	3180.0	3650.0	1950.0	3080.0	2615.0	3680.0	4220.0	2260.0	3570.0	3035.0	4260.0	4900.0	2625.0	4110.0	3365.0	4680.0	5380.0	2890.0	4560.0	3920.0	5490.0	6310.0	3400.0	5360.0	3580.0	2900.0	4050.0	3540.0
A-163 37 Kw	1515.0	2105.0	2415.0	NA	2005.0	1710.0	2380.0	2735.0	NA	2270.0	1940.0	2705.0	3105.0	1655.0	2585.0	2120.0	2950.0	3390.0	1780.0	2825.0	2420.0	3370.0	3870.0	2070.0	3265.0	2775.0	3900.0	4480.0	2395.0	3785.0	3220.0	4520.0	5190.0	2785.0	4355.0	3570.0	4960.0	5700.0	3060.0	4830.0	4150.0	5820.0	6690.0	3600.0	5680.0	3800.0	3070.0	4290.0	3750.0
A-163 45 Kw	1585.0	2200.0	2525.0	NA	2095.0	1790.0	2490.0	2860.0	1525.0	2375.0	2035.0	2830.0	3250.0	1733.0	2705.0	2215.0	3085.0	3550.0	1890.0	2955.0	2530.0	3530.0	4050.0	2165.0	3420.0	2900.0	4080.0	4690.0	2505.0	3960.0	3370.0	4730.0	5430.0	2910.0	4555.0	3730.0	5190.0	5960.0	3200.0	5050.0	4340.0	6090.0	6990.0	3770.0	5950.0	3980.0	3220.0	4500.0	3930.0
A-163 55 Kw	1678.0	2330.0	2675.0	NA	2220.0	1895.0	2635.0	3030.0	1610.0	2515.0	2150.0	2995.0	3440.0	1833.0	2865.0	2345.0	3265.0	3750.0	2000.0	3130.0	2680.0	3730.0	4290.0	2290.0	3615.0	3070.0	4315.0	4960.0	2650.0	4190.0	3560.0	5000.0	5750.0	3080.0	4820.0	3950.0	5490.0	6310.0	3385.0	5350.0	4590.0	6440.0	7400.0	3980.0	6290.0	4210.0	3400.0	4760.0	4150.0
A-172 30Kw	NA	2255.0	2590.0	NA	2150.0	1835.0	2550.0	2930.0	NA	2435.0	2085.0	2900.0	3330.0	1777.0	2775.0	2275.0	3165.0	3635.0	1940.0	3030.0	2595.0	3615.0	4150.0	2220.0	3505.0	2980.0	4180.0	4800.0	2570.0	4060.0	3450.0	4845.0	5565.0	2988.0	4670.0	3830.0	5320.0	6110.0	3285.0	5180.0	4450.0	6250.0	7180.0	3870.0	6100.0	4070.0	3300.0	4610.0	4020.0
A-172 37Kw	1725.0	2395.0	2745.0	NA	2280.0	1945.0	2710.0	3110.0	NA	2585.0	2210.0	3075.0	3530.0	1885.0	2940.0	2410.0	3355.0	3855.0	2025.0	3215.0	2755.0	3830.0	4400.0	2355.0	3715.0	3160.0	4430.0	5100.0	2730.0	4305.0	3660.0	5145.0	5899.0	3165.0	4950.0	4055.0	5640.0	6480.0	3480.0	5500.0	4720.0	6630.0	7610.0	4100.0	6470.0	4320.0	3500.0	4880.0	4270.0
A-172 45Kw	1810.0	2515.0	2885.0	NA	2395.0	2045.0	2845.0	3265.0	1740.0	2715.0	2320.0	3230.0	3715.0	1980.0	3090.0	2530.0	3525.0	4050.0	2160.0	3375.0	2890.0	4030.0	4630.0	2470.0	3900.0	3315.0	4660.0	5350.0	2860.0	4520.0	3845.0	5400.0	6200.0	3328.0	5205.0	4258.0	5930.0	6800.0	3660.0	5770.0	4960.0	6960.0	7980.0	4300.0	6790.0	4540.0	3670.0	5130.0	4480.0
A-172 55Kw	1915.0	2665.0	3060.0	NA	2535.0	2165.0	3010.0	3460.0	1840.0	2875.0	2455.0	3420.0	3930.0	2095.0	3270.0	2680.0	3730.0	4290.0	2285.0	3575.0	3060.0	4260.0	4900.0	2615.0	4130.0	3505.0	4930.0	5670.0	3030.0	4790.0	4065.0	5720.0	6562.0	3520.0	5505.0	4510.0	6275.0	7200.0	3870.0	6110.0	5240.0	7360.0	8450.0	4550.0	7180.0	4810.0	3890.0	5440.0	4740.0
A-172 75Kw	2070.0	2875.0	3305.0	1755.0	2740.0	2335.0	3255.0	3735.0	1985.0	3105.0	2650.0	3690.0	4245.0	2260.0	3530.0	2890.0	4030.0	4635.0	2465.0	3855.0	3305.0	4600.0	5290.0	2820.0	4460.0	3785.0	5320.0	6110.0	3270.0	5160.0	4390.0	6170.0	7080.0	3795.0	5930.0	4870.0	6765.0	7760.0	4170.0	6580.0	5660.0	7930.0	9100.0	4900.0	7730.0	5190.0	4190.0	5860.0	5120.0
A-181 37Kw	NA	3130.0	3595.0	NA	2985.0	2550.0	3540.0	4070.0	NA	3385.0	2895.0	4030.0	4620.0	2470.0	3850.0	3160.0	4390.0	5050.0	2695.0	4210.0	3610.0	5020.0	5770.0	3085.0	4870.0	4130.0	5800.0	6670.0	3575.0	5640.0	4790.0	6730.0	7740.0	4150.0	6490.0	5320.0	7390.0	8490.0	4560.0	7200.0	6180.0	8680.0	9970.0	5370.0	8470.0	5650.0	4580.0	6400.0	5590.0
A-181 45Kw	NA	3340.0	3830.0	NA	3180.0	2715.0	3780.0	4340.0	NA	3605.0	3085.0	4290.0	4930.0	2630.0	4105.0	3360.0	4680.0	5380.0	2870.0	4485.0	3840.0	5350.0	6140.0	3285.0	5180.0	4400.0	6190.0	7110.0	3810.0	6010.0	5110.0	7180.0	8250.0	4420.0	6910.0	5660.0	7880.0	9050.0	4860.0	7670.0	6600.0	9240.0	10610.0	5720.0	9020.0	6030.0	4880.0	6820.0	5950.0
A-181 55Kw	2535.0	3520.0	4040.0	NA	3350.0	2860.0	3980.0	4570.0	2435.0	3800.0	3250.0	4520.0	5200.0	2770.0	4325.0	3550.0	4940.0	5670.0	3025.0	4730.0	4050.0	5640.0	6480.0	3460.0	5460.0	4640.0	6520.0	7500.0	4010.0	6330.0	5380.0	7560.0	8680.0	4660.0	7290.0	5970.0	8300.0	9540.0	5120.0	8080.0	6950.0	9750.0	11180.0	6030.0	9500.0	6350.0	5140.0	7190.0	6270.0
A-181 75Kw	2750.0	3820.0	4390.0	NA	3640.0	3110.0	4320.0	4970.0	2645.0	4130.0	3530.0	4910.0	5640.0	3005.0	4700.0	3850.0	5360.0	6150.0	3280.0	5130.0	4400.0	6120.0	7040.0	3755.0	5930.0	5040.0	7080.0	8130.0	4350.0	6865.0	5840.0	8200.0	9430.0	5050.0	7900.0	6470.0	9010.0	10350.0	5550.0	8770.0	7530.0	10580.0	12120.0	6530.0	10300.0	6900.0	5580.0	7800.0	6810.0
A-181 100Kw	2930.0	4080.0	4680.0	2490.0	3880.0	3310.0	4610.0	5290.0	2815.0	4400.0	3760.0	5230.0	6020.0	3200.0	5005.0	4100.0	5710.0	6560.0	3495.0	5470.0	4680.0	6530.0	7490.0	4000.0	6315.0	5360.0	7540.0	8660.0	4630.0	7320.0	6215.0	8730.0	10030.0	5375.0	8410.0	6890.0	9600.0	11020.0	5910.0	9330.0	8020.0	11260.0	12920.0	6950.0	10970.0	7350.0	5950.0	8300.0	7250.0
A-190 45Kw	NA	4130.0	4740.0	NA	3940.0	3365.0	4670.0	5360.0	NA	4468.0	3825.0	5310.0	6100.0	NA	5078.0	4162.0	5795.0	6645.0	3555.0	5550.0	4758.0	6615.0	7600.0	4070.0	6415.0	5450.0	7650.0	8800.0	4718.0	7432.0	6322.0	8880.0	10190.0	5480.0	8560.0	7010.0	9750.0	11200.0	6020.0	9500.0	8170.0	11450.0	13140.0	7090.0	11170.0	7460.0	6040.0	8450.0	7370.0
A-190 55Kw	NA	4390.0	5035.0	NA	4180.0	3570.0	4960.0	5700.0	NA	4740.0	4055.0	5635.0	6482.0	3460.0	5398.0	4422.0	6150.0	7060.0	3780.0	5893.0	5050.0	7025.0	8070.0	4323.0	6810.0	5788.0	8125.0	9343.0	5005.0	7900.0	6710.0	9430.0	10828.0	5820.0	9080.0	7440.0	10360.0	11900.0	6390.0	10090.0	8670.0	12150.0	13940.0	7520.0	11860.0	7930.0	6420.0	8970.0	7830.0
A-190 75Kw	3445.0	4780.0	5485.0	NA	4560.0	3890.0	5405.0	6210.0	3315.0	5168.0	4415.0	6150.0	7055.0	3765.0	5878.0	4815.0	6700.0	7698.0	4110.0	6425.0	5499.0	7655.0	8798.0	4700.0	7425.0	6305.0	8860.0	10185.0	5451.0	8600.0	7310.0	10265.0	11795.0	6330.0	9900.0	8110.0	11290.0	12950.0	6960.0	10990.0	9440.0	13250.0	15200.0	8200.0	12930.0	8630.0	6990.0	9770.0	8530.0
A-190 100Kw	3675.0	5108.0	5865.0	NA	4870.0	4155.0	5780.0	6645.0	3538.0	5515.0	4725.0	6565.0	7538.0	4018.0	6280.0	5145.0	7160.0	8225.0	4390.0	6860.0	5875.0	8180.0	9398.0	5028.0	7930.0	6735.0	9465.0	10875.0	5821.0	9190.0	7805.0	10980.0	12600.0	6760.0	10570.0	8660.0	12050.0	13830.0	7435.0	11740.0	10070.0	14150.0	16250.0	8740.0	13790.0	9230.0	7460.0	10430.0	9120.0
A-190 135Kw	4030.0	5605.0	6440.0	3425.0	5335.0	4552.0	6340.0	7288.0	3870.0	6050.0	5180.0	7200.0	8270.0	4400.0	6885.0	5643.0	7850.0	9018.0	4805.0	7518.0	6450.0	8968.0	10302.0	5495.0	8685.0	7380.0	10370.0	11910.0	6368.0	10070.0	8550.0	12010.0	13800.0	7400.0	11580.0	9490.0	13190.0	15140.0	8130.0	12840.0	11030.0	15470.0	17770.0	9560.0	15080.0	10120.0	8190.0	11430.0	9975.0

Advance 2020 Series A R3, 2016 **Six Cell Arrangement** **All Flows in CMH**

Condition Reference #	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00	31.00	32.00	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00	41.00	42.00	43.00	44.00	45.00	46.00	47.00	48.00	49.00
Wet Bulb °C	10.00	10.00	10.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	16.00	16.00	16.00	16.00	16.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	21.00	21.00	21.00	24.00	24.00	24.00	24.00	24.00	27.00	27.00	27.00	27.00	27.00	29.00	29.00	29.00	29.00	29.00	32.20	32.20	32.20	32.20	32.20	21.00	25.56	27.00	28.00
Range °C	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	5.00	5.56	5.00	5.00
Approach °C	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	6.00	3.89	5.00	4.00
Inlet Water Temperature °C	20.00	22.00	23.00	22.00	25.00	23.00	25.00	26.00	25.00	28.00	26.00	28.00	29.00	28.00	31.00	28.00	30.00	31.00	30.00	33.00	31.00	33.00	34.00	33.00	36.00	34.00	36.00	37.00	36.00	39.00	37.00	39.00	40.00	39.00	42.00	39.00	41.00	42.00	41.00	44.00	42.20	44.20	45.20	44.20	47.20	32.00	35.00	37.00	37.00
Outlet Water Temperature °C	14.00	16.00	17.00	14.00	17.00	17.00	19.00	20.00	17.00	20.00	20.00	22.00	23.00	20.00	23.00	22.00	24.00	25.00	22.00	25.00	25.00	27.00	28.00	25.00	28.00	28.00	30.00	31.00	28.00	31.00	31.00	33.00	34.00	31.00	34.00	33.00	35.00	36.00	33.00	36.00	36.20	38.20	39.20	36.20	39.20	27.00	29.44	32.00	32.00
Model No. A-37 to A-190 Six Cell																																																	
A-37 0.75Kw	NA	104.0	119.5	NA	NA	NA	118.0	135.5	NA	112.3	NA	133.5	154.3	128.3	128.3	104.8	146.0	168.3	NA	140.0	119.8	167.3	192.0	102.0	161.8	137.8	193.8	222.5	118.5	187.8	159.8	224.5	258.0	137.5	216.0	176.8	246.5	283.5	151.5	239.5	206.0	289.5	333.0	178.5	282.0	188.0	152.0	213.5	186.0
A-37 1.1Kw	NA	116.5	134.0	NA	111.0	NA	132.0	152.0	NA	126.0	107.5	150.3	172.5	143.5	143.5	117.5	163.8	188.5	NA	157.0	134.3	187.0	215.5	114.5	181.5	154.0	217.0	249.5	132.5	210.5	178.8	251.5	290.0	154.3	242.5	198.3	277.0	318.5	170.0	269.0	230.5	325.5	373.5	200.0	316.5	211.5	171.0	239.5	208.5
A-37 1.5Kw	NA	125.8	144.5	NA	119.8	102.0	142.5	164.0	NA	136.0	116.0	162.0	186.3	154.8	154.8	126.5	176.5	203.5	107.8	169.0	144.8	202.0	232.8	123.3	195.5	166.0	234.3	269.0	143.0	226.8	192.8	271.5	313.0	166.3	261.5	213.8	298.0	343.5	183.0	290.3	249.0	351.0	403.0	215.5	342.0	228.0	184.0	258.0	225.0
A-37 2.2Kw	102.5	142.8	164.3	NA	135.8	115.8	161.8	186.0	NA	154.0	131.5	184.0	211.5	175.5	175.5	143.8	200.5	231.0	122.0	191.8	164.0	229.5	264.0	139.8	222.0	188.0	265.8	305.5	162.0	257.5	218.3	308.0	355.0	188.5	296.3	242.3	338.5	389.5	207.5	329.3	282.3	397.5	458.0	244.0	387.5	259.0	208.5	293.0	255.5
A-37 3.75Kw	117.3	164.0	188.5	NA	155.8	132.5	185.3	213.3	112.5	176.5	150.8	210.8	242.3	201.3	201.3	164.5	230.0	264.8	139.8	219.8	188.0	263.0	302.8	160.0	254.5	215.8	304.3	350.5	185.5	295.0	250.5	353.0	406.5	215.5	339.3	277.5	388.0	446.0	237.0	377.3	323.0	455.0	524.0	279.0	443.0	297.0	239.0	335.5	292.5
A-46 1.1Kw	NA	NA	171.0	NA	NA	NA	168.5	193.0	NA	161.0	NA	191.0	219.5	NA	183.0	NA	209.0	239.5	NA	200.0	171.5	238.5	274.0	NA	231.3	196.5	276.0	316.0	170.3	269.0	228.0	319.0	367.0	197.5	308.5	252.5	350.5	403.0	217.0	342.5	294.0	411.0	473.0	255.5	402.5	268.5	317.5	304.0	266.0
A-46 1.5Kw	NA	162.5	186.5	NA	154.8	NA	183.5	211.0	NA	175.5	NA	208.5	239.5	NA	200.0	164.0	227.5	262.0	NA	218.0	187.0	260.0	298.5	160.0	252.0	214.5	301.0	346.0	185.5	292.5	249.0	349.0	401.0	215.5	336.0	276.0	383.0	440.0	236.5	373.0	321.5	449.5	516.0	279.0	439.5	293.5	238.0	332.0	290.0
A-46 2.2Kw	NA	183.0	210.5	NA	174.5	NA	207.0	238.0	NA	198.0	169.3	235.5	270.5	NA	225.5	184.5	257.0	295.0	157.5	246.0	211.0	293.5	337.5	180.5	284.5	242.0	340.0	390.0	209.0	330.0	280.5	394.0	452.0	243.0	380.0	311.0	432.0	497.0	267.0	421.0	362.0	507.5	582.5	314.0	496.0	331.0	268.0	374.0	327.0
A-46 3.75Kw	155.0	215.5	247.5	NA	205.0	NA	243.5	280.0	NA	232.5	199.0	276.5	318.0	169.3	264.5	217.0	302.0	347.0	185.0	289.0	248.0	345.0	396.5	211.5	334.0	284.0	399.0	458.0	245.0	387.0	329.0	462.0	531.0	284.5	445.0	365.0	508.0	582.5	313.0	494.0	424.5	595.0	684.0	368.0	581.0	389.0	315.0	439.0	384.0
A-46 5.5Kw	169.0	235.0	270.0	NA	224.0	191.0	266.0	305.5	162.5	253.5	217.0	302.0	347.0	184.5	288.5	236.5	329.0	378.5	201.5	315.0	270.0	376.0	432.5	230.5	364.0	309.5	435.0	500.0	267.0	422.0	359.0	504.0	579.0	310.0	485.0	398.0	553.0	635.0	341.0	538.0	462.0	649.0	744.0	400.5	632.0	424.0	343.0	479.0	418.0
A-55 1.1Kw	NA	171.5	196.5	NA	163.3	NA	193.5	222.0	NA	185.0	158.5	220.0	252.0	NA	210.5	172.5	239.5	275.0	NA	229.8	197.0	274.3	314.0	169.0	265.5	225.5	316.5	363.5	196.0	307.5	261.5	367.0	420.0	227.5	353.5	290.5	403.0	461.0	250.0	392.0	338.0	472.0	541.0	294.0	460.5	307.5	250.0	349.0	304.5
A-55 1.5Kw	NA	188.5	216.5	NA	180.0	153.5	213.5	245.0	NA	204.0	174.5	242.0	278.0	NA	232.5	190.5	264.5	303.5	162.5	253.5	217.0	302.0	347.0	186.0	293.0	249.5	349.0	401.0	216.0	339.5	288.5	405.0	465.0	251.0	390.5	320.5	444.0	511.0	275.5	433.0	373.0	522.0	598.0	324.0	510.0	340.0	276.0	385.0	336.5
A-55 2.2Kw	154.0	213.5	245.3	NA	203.3	174.0	241.5	277.5	NA	230.5	197.5	274.5	315.5	168.5	262.5	215.0	299.5	344.0	184.0	287.0	246.0	342.0	393.0	210.5	331.5	282.0	396.0	455.0	243.5	384.5	327.0	459.0	528.0	283.5	442.5	363.0	504.0	580.0	311.0	491.0	423.0	592.0	680.0	367.0	578.0	385.5	312.0	437.0	381.0
A-55 3.75Kw	180.0	250.3	287.3	153.0	238.0	203.5	283.0	325.0	173.0	270.0	231.0	321.5	369.0	197.0	307.5	252.0	351.0	403.5	215.0	336.0	287.5	401.0	461.0	246.0	388.5	330.0	464.0	533.0	285.0	450.5	382.5	538.0	618.0	331.0	518.0	425.0	591.0	678.5	364.0	576.0	494.0	694.0	798.0	428.5	678.0	452.0	366.0	512.0	446.5
A-55 5.5Kw	195.5	272.0	312.0	166.0	259.0	221.0	307.5	353.5	188.0	293.5	251.0	349.5	401.5	214.0	334.5	274.0	381.5	438.0	233.5	365.5	313.0	436.0	501.0	267.5	422.0	359.0	504.0	579.5	310.0	489.5	416.0	585.0	672.0	360.0	563.0	461.0	642.0	737.5	395.5	625.0	537.0	755.0	866.0	466.0	736.0	492.0	397.0	556.0	485.0
A-55 7.5Kw	218.5	304.0	349.0	185.5	289.5	247.0	344.0	395.0	210.0	328.0	280.0	390.5	449.0	238.5	373.5	305.5	426.5	490.0	260.5	408.0	349.5	487.0	560.0	298.0	417.5	400.0	563.0	647.0	345.5	546.5	464.0	652.5	750.5	401.0	628.5	515.0	717.0	824.0	441.0	697.0	599.0	841.0	967.0	519.0	820.0	549.0	444.0	621.0	541.5
A-64 1.5Kw	177.5	246.5	282.5	151.2	235.0	200.5	278.5	319.5	171.0	266.5	228.0	316.5	363.5	194.5	303.0	248.0	345.0	396.0	212.0	331.0	283.5	394.0	452.0	242.5	382.5	325.0	456.0	523.0	281.0	443.0	377.0	528.0	605.0	326.5	509.0	418.0	579.0	665.0	359.0	565.0	486.0	680.0	780.0	423.0	665.0	444.0	360.0	502.0	438.0
A-64 2.2Kw	197.0	273.5	314.0	168.0	260.5	223.0	309.5	355.5	190.0	296.0	253.0	352.0	404.0	215.5	336.5	276.0	384.0	441.0	235.5	367.5	315.0	438.5	504.0	269.5	425.0	361.0	507.0	582.0	312.0	493.0	419.0	588.0	675.0	363.0	567.0	465.0	645.0	740.0	399.0	629.0	541.0	758.0	870.0	470.0	739.0	494.0	400.0	559.0	488.0
A-64 3.75Kw	232.0	322.0	370.0	197.0	307.0	262.0	365.0	419.0	223.0	348.0	297.5	414.0	475.5	253.5	396.0	325.0	452.0	518.5	277.0	432.5	370.5	516.5	592.5	317.0	500.0	425.0	598.0	686.0	367.0	580.0	493.0	692.0	795.0	427.0	667.0	546.0	761.0	873.0	469.0	740.0	636.0	893.0	1025.0	552.0	870.0	582.0	471.0	657.0	575.0
A-64 5.5Kw	258.0	359.0	412.0	219.0	341.5	291.5	406.0	466.5	248.0	387.5	331.0	461.5	530.0	282.0	440.5	361.0	503.0	578.0	308.0	481.0	412.5	574.0	660.0	352.0	556.5	461.0	664.0	764.0	408.0	645.0	548.0	770.0	884.0	474.0	742.0	608.0	845.0	970.0	521.0	822.0	706.0	991.0	1139.0	613.0	967.0	648.0	524.0	733.0	640.0
A-64 7.5Kw	276.0	383.0	440.0	234.0	365.0	311.5	434.0	498.0	265.0	413.5	353.5	492.0	565.5	301.0	470.5	385.5	537.0	616.5	328.5	514.0	440.5	613.0	705.0	376.0	594.0	505.0	709.0	815.0	436.0	688.0	585.0	821.0	944.0	506.0	792.0	648.0	903.0	1035.0	556.0	877.0	754.0	1058.0	1215.0	654.0	1032.0	692.0	559.0	782.0	682.0
A-64 9.3Kw	297.5	414.0	475.0	252.5	394.0	336.0	468.0	538.0	285.5	446.5	382.0	531.5	611.0	325.0	508.0	416.5	580.0	665.5	354.5	555.0	475.0	662.0	760.5	405.0	640.5	545.0	766.0	880.0	470.0	742.0	631.0	887.0	1018.0	545.0	853.0	699.0	972.0	1116.0	599.0	946.0	812.0	1140.0	1308.0	705.0	1112.0	748.0	603.0	844.0	737.0
A-73 2.2Kw	236.0	327.0	375.0	NA	312.0	267.0	370.0	425.0	227.5	353.0	303.5	420.0	483.0	258.5	403.0	330.0	459.0	527.0	282.0	440.0	377.0	524.0	601.0	323.0	508.0	432.0	606.0	696.0	374.0	589.0	501.0	703.0	805.0	435.0	677.0	555.0	770.0	885.0	478.0	752.0	647.0	905.0	1036.0	562.0	884.0	590.0	478.0	667.0	583.0
A-73 3.75Kw	275.5	382.0	439.0	234.0	364.0	311.0	432.0	496.0	265.0	413.0	353.0	491.0	564.0	301.0	470.0	385.0	536.0	615.0	329.0	514.0	440.0	613.0	703.0	376.0	594.0	505.0	708.0	814.0	436.0	689.0	585.0	823.0	945.0	507.0	792.0	649.0	903.0	1037.0	557.0	879.0	755.0	1059.0	1215.0	656.0	1035.0	691.0	560.0	780.0	682.0
A-73 5.5Kw	306.5	426.0	489.0	260.5	406.0	346.5	482.0	553.0	295.0	460.0	393.0	547.0	628.0	335.0	524.0	429.0	597.0	686.0	366.0	572.0	489.8	682.0	784.0	419.0	661.0	562.0	789.0	908.0	485.0	767.0	652.0	915.0	1053.0	564.0	882.0	723.0	1005.0	1155.0	620.0	979.0	840.0	1180.0	1355.0	729.0	1152.0	770.0	623.0	870.0	760.0
A-73 7.5Kw	339.0	472.0	541.0	288.0	449.0	383.5	534.0	613.0	326.0	509.0	435.0	606.0	696.0	371.0	580.0	475.0	661.0	759.0	405.0	633.0	543.0	755.0	868.0	463.0	732.0	622.0	874.0	1004.0	537.0	848.0	721.0	1012.0	1164.0	623.0	975.0	800.0	1111.0	1277.0	685.0	1083.0	929.0	1305.0	1497.0	806.0	1272.0	852.0	688.0	964.0	842.0
A-73 9.3Kw	357.0	496.0	570.0	303.0	472.0	403.0	561.0	645.0	343.0	535.0	458.0	637.0	732.0	390.0	610.0	500.0	695.0	799.0	426.0	666.0	570.0	795.0	913.0	487.0	770.0	653.0	920.0	1055.0	564.0	891.0	758.0	1066.0	1225.0	655.0	1026.0	840.0	1170.0	1342.0	720.0	1137.0	977.0	1370.0	1575.0	847.0	1337.0	896.0	725.0	1011.0	885.0
A-82 2.2Kw	NA	348.0	399.0	NA	331.5	NA	393.0	451.0	NA	376.0	322.5	447.0	513.0	NA	427.5	351.0	487.0	559.0	NA	467.0	401.0	556.0	639.0	343.0	540.0	459.0	643.0	738.0	398.0	625.0	533.0	745.0	855.0	462.0	719.0	590.0	818.0	937.0	507.0	797.0	687.0	958.0	1098.0	597.0	938.0	626.0	508.0	708.0	619.0
A-82 3.75Kw	NA	415.0	476.0	NA	395.0	338.0	469.0	539.0	NA	448.0	383.0	533.0	612.0	327.0	510.0	418.0	582.0	667.0	357.0	557.0	478.0	665.0	763.0	408.0	644.0	548.0	769.0	883.0	473.0	747.0	635.0	891.0	1023.0	550.0	859.0	705.0	979.0	1122.0	605.0	954.0	819.0	1148.0	1320.0	712.0	1122.0	748.0	606.0	848.0	739.0
A-82 5.50Kw	333.0	462.0	530.0	NA	440.0	376.0	523.0	600.0	350.0	499.0	427.0	594.0	682.0	364.0	568.0	466.0	648.0	745.0	397.0	621.0	533.0	740.0	851.0	455.0	718.0	610.0	857.0	985.0	527.0	832.0	708.0	994.0	1142.0	612.0	958.0	785.0	1090.0	1254.0	673.0	1063.0	913.0	1280.0	1470.0	792.0	1250.0	835.0	675.0	945.0	824.0
A-82 7.50Kw	367.0	509.0	585.0	311.0	485.0	414.0	576.0	662.0	352.0	550.0	470.0	654.0	752.0	401.0	626.0	513.0	714.0	820.0	437.0	684.0	586.0	815.0	938.0	500.0	790.0	671.0	944.0	1085.0	580.0	915.0	779.0	1094.0	1257.0	674.0	1054.0	864.0	1201.0	1380.0	740.0	1168.0	1005.0	1408.0	1617.0	872.0	1375.0	920.0	743.0	1039.0	908.0
A-82 9.3Kw	386.0	537.0	616.0	328.0	511.0	436.0	608.0	698.0	371.0	579.0	495.0	689.0	793.0	422.0	660.0	541.0	753.0	865.0	461.0	720.0	617.0	859.0	988.0	527.0	833.0	708.0	995.0	1143.0	610.0	965.0	820.0	1152.0	1322.0	710.0	1110.0	909.0	1265.0	1453.0	780.0	1230.0	1057.0	1482.0	1705.0	917.0	1447.0	970.0	784.0	1095.0	957.0
A-82 11Kw	400.0	557.0	639.0	340.0	530.0	452.0	630.0	723.0	385.0	601.0	514.0	715.0	822.0	437.0	684.0	560.0	780.0	897.0	477.0	747.0	640.0	891.0	1025.0	546.0	864.0	733.0	1030.0	1185.0	633.0	1000.0	850.0	1195.0	1373.0	735.0	1150.0	943.0	1310.0	1507.0	808.0	1275.0	1095.0	1538.0	1766.0	950.0	1500.0	1006.0	812.0	1135.0	993.0
A-91 3.75Kw	NA	454.0	521.0	NA	433.0	NA	513.0	589.0	NA	490.0	420.0	584.0	670.0	NA	558.0	458.0	637.0	731.0	NA	610.0	524.0	728.0	836.0	448.0	706.0	600.0	841.0	966.0	519.0	818.0	695.0	975.0	1119.0	603.0	941.0	772.0	1069.0	1228.0	663.0	1044.0	898.0	1257.0	1440.0	780.0	1227.0	819.0	664.0	926.0	811.0
A-91 5.5Kw	NA	511.0	587.0	NA	487.0	416.0	579.0	664.0	NA	552.0	473.0	658.0	755.0	403.2	629.0	561.0	718.0	824.0	440.0	687.0	589.0	820.0	942.0	504.0	794.0	675.0	949.0	1090.0	583.0	922.0	783.0	1100.0	1264.0	679.0	1060.0	869.0	1208.0	1386.0	745.0	1177.0	1012.0	1418.0	1627.0	878.0	1385.0	923.0	748.0	1046.0	913.0
A-91 7.5Kw	NA	552.0	633.0	NA	526.0	449.0	624.0	717.0	NA	956.0	510.0	709.0	814.0	434.0	679.0	556.0	774.0	889.0	474.0	741.0	635.0	885.0	1015.0	543.0	857.0	728.0	1024.0	1175.0	629.0	994.0	845.0	1187.0	1362.0	732.0	1143.0	937.0	1304.0	1498.0	804.0	1269.0	1090.0	1530.0	1758.0	947.0	1494.0	997.0	806.0	1129.0	984.0
A-91 9.3Kw	429.5	597.0	684.0	NA	568.0	485.0	675.0	775.0	413.0	644.0	551.0	767.0	881.0	469.0	733.0	601.0	837.0	961.0	512.0	801.0	687.0	956.0	1097.0	586.0	926.0	786.0	1106.0	1270.0	680.0	1073.0	912.0	1283.0	1472.0	790.0	1234.0	1013.0	1408.0	1618.0	868.0	1371.0	1178.0	1652.0	1896.0	1022.0	1613.0	1078.0	870.0	1220.0	1065.0
A-91 11Kw	450.0	626.5	718.0	NA	596.0	509.0	709.0	814.0	433.0	676.0	578.0	805.0	925.0	492.0	769.0	631.0	878.0	1008.0	538.0	840.0	721.0	1004.0	1153.0	615.5	972.0	825.0	1160.0	1332.0	712.0	1127.0	958.0	1346.0	1546.0	828.0	1296.0	1062.0	1475.0	1695.0	910.0	1436.0	1236.0	1732.0	1990.0	1070.0	1690.0	1132.0	915.0	1280.0	1118.0
A-91 15Kw	486.0	677.0	776.0	413.0	644.0	549.0	766.0	878.0	467.0	730.0	624.5	870.0	999.0	531.0	831.0	680.0	949.0	1090.0	580.0	908.0	778.0	1082.0	1245.0	663.0	1049.0	892.0	1253.0	1440.0	769.0	1215.0	1033.0	1453.0	1669.0	894.0	1398.0	1146.0	1595.0	1832.0	982.0	1552.0	1331.0	1870.0	2148.0	1156.0	1824.0	1221.0	988.0	1379.0	1205.0
A-100 7.5Kw	NA	718.0	825.0	NA	684.0	584.0	812.0	932.0	NA	776.0	664.0	924.0	1061.0	566.0	884.0	724.0	1008.0	1158.0	619.0	965.0	828.0	1152.0	1323.0	707.0	1116.0	949.0	1333.0	1530.0	819.0	1295.0	1102.0	1545.0	1775.0	952.0	1490.0	1221.0	1698.0	1950.0	1048.0	1652.0	1419.0	1995.0	2290.0	1233.0	1945.0	1297.0	1052.0	1468.0	1283.0
A-100 9.3Kw	554.4	769.0	883.0	NA	732.0	625.0	869.0	999.0	NA	831.0	710.0	988.0	1135.0	605.0	945.0	775.0	1078.0	1240.0	661.0	1033.0	885.0	1232.0	1418.0	757.0	1195.0	1015.0	1425.0	1638.0	876.0	1385.0	1178.0	1653.0	1899.0	1019.0	1595.0	1305.0	1815.0	2085.0	1119.0	1770.0	1518.0	2132.0	2450.0	1318.0	2080.0	1390.0	1125.0	1570.0	1375.0
A-100 11Kw	576.0	800.0	919.0	NA	762.0	652.0	905.0	1041.0	554.4	865.0	739.0	1030.0	1182.0	630.0	984.0	806.0	1123.0	1290.0	688.0	1075.0	922.0	1284.0	1476.0	787.0	1244.0	1055.0	1485.0	1705.0	912.0	1442.0	1225.0	1723.0	1979.0	1060.0	1658.0	1360.0	1890.0	2172.0	1165.0	1840.0	1580.0	2222.0	2550.0	1372.0	2165.0	1448.0	1171.0	1638.0	1430.0
A-100 15Kw	627.0	871.0	1000.0	NA	830.0	708.0	985.0	1133.0	603.0	941.0	804.0	1121.0	1287.0	685.0	1072.0	878.0	1221.0	1405.0	748.0	1170.0	1002.0	1398.0	1605.0	855.0	1353.0	1148.0	1614.0	1855.0	991.0	1568.0	1334.0	1871.0	2150.0	1153.0	1802.0	1478.0	2055.0	2360.0	1266.0	2002.0	1717.0	2416.0	2773.0	1490.0	2352.0	1575.0	1272.0	1780.0	1554.0
A-100 18.3Kw	662.0	919.0	1055.0	561.0	875.0	748.0	1040.0	1194.0	635.0	993.0	848.0	1182.0	1358.0	722.0	1130.0	925.0	1289.0	1482.0	788.0	1234.0	1058.0	1473.0	1694.0	902.0	1427.0	1212.0	1705.0	1956.0	1046.0	1652.0	1405.0	1975.0	2270.0	1215.0	1900.0	1557.0	2165.0	2492.0	1335.0	2110.0	1810.0	2542.0	2919.0	1569.0	2482.0	1660.0	1342.0	1875.0	1640.0
A-109 9.3Kw	NA	878.0	1006.0	NA	836.0	715.0	992.0	1140.0	NA	948.0	810.0	1128.0	1295.0	NA	1080.0	884.0	1230.0	1414.0	755.0	1180.0	1012.0	1405.0	1615.0	865.0	1363.0	1160.0	1626.0	1868.0	1002.0	1580.0	1345.0	1888.0	2170.0	1165.0	1820.0	1490.0	2075.0	2380.0	1280.0	2020.0	1735.0	2435.0	2795.0	1508.0	2375.0	1585.0	1282.0	1792.0	1565.0
A-109 11Kw	NA	922.0	1058.0	NA	879.0	750.0	1043.0	1198.0	NA	996.0	853.0	1185.0	1363.0	727.0	1135.0	930.0	1295.0	1485.0	794.0	1241.0	1062.0	1480.0	1699.0	908.0	1435.0	1219.0	1710.0	1968.0	1053.0	1662.0	1415.0	1985.0	2280.0	1225.0	1912.0	1568.0	2180.0	2505.0	1345.0	2125.0	1825.0	2560.0	2940.0	1585.0	2500.0	1670.0	1348.0	1885.0	1650.0
A-109 15Kw	725.0	1008.0	1155.0	NA	960.0	820.0	1140.0	1308.0	NA	1088.0	930.0	1295.0	1488.0	792.0	1237.0	1015.0	1412.0	1624.0	865.0	1352.0	1160.0	1614.0	1855.0	990.0	1565.0	1328.0	1870.0	2145.0	1148.0	1815.0	1540.0	2165.0	2490.0	1335.0	2088.0	1710.0	2380.0	2735.0	1465.0	2315.0	1990.0	2795.0	3210.0	1725.0	2730.0	1820.0	1472.0	2058.0	1798.0
A-109 18.3Kw	766.0	1064.0	1221.0	NA	1014.0	866.0	1205.0	1382.0	736.0	1148.0	983.0	1368.0	1570.0	836.0	1308.0	1072.0	1492.0	1714.0	914.0	1430.0	1226.0	1705.0	1960.0	1045.0	1652.0	1405.0	1975.0	2268.0	1212.0	1915.0	1630.0	2290.0	2630.0	1410.0	2205.0	1805.0	2515.0	2890.0	1550.0	2450.0	2100.0	2950.0	3390.0	1825.0	2880.0	1925.0	1555.0	2174.0	1900.0
A-109 22Kw	802.0	1115.0	1279.0	NA	1062.0	906.0	1262.0	1448.0	770.0	1205.0	1030.0	1432.0	1648.0	876.0	1370.0	1124.0	1564.0	1798.0	956.0	1498.0	1282.0	1788.0	2052.0	1096.0	1730.0	1472.0	2068.0	2375.0	1270.0	2006.0	1705.0	2398.0	2755.0	1475.0	2310.0	1890.0	2635.0	3025.0	1620.0	2565.0	2200.0	3090.0	3550.0	1910.0	3015.0	2015.0	1628.0	2280.0	1992.0
A-118 11Kw	NA	1150.0	1320.0	NA	1096.0	936.0	1303.0	1496.0	NA	1244.0	1064.0	1480.0	1700.0	908.0	1416.0	1160.0	1614.0	1856.0	992.0	1546.0	1328.0	1844.0	2122.0	1134.0	1790.0	1520.0	2136.0	2452.0	1314.0	2072.0	1764.0	2476.0	2846.0	1526.0	2386.0	1956.0	2720.0	3120.0	1680.0	2650.0	2276.0	3190.0	3666.0	1978.0	3118.0	2082.0	1684.0	2352.0	2054.0
A-118 15Kw	916.0	1273.0	1462.0	NA	1214.0	1036.0	1440.0	1656.0	NA	1376.0	1176.0	1636.0	1880.0	1002.0	1566.0	1284.0	1788.0	2054.0	1096.0	1710.0	1468.0	2042.0	2348.0	1252.0	1980.0	1682.0	2362.0	2714.0	1452.0	2292.0	1952.0	2742.0	3148.0	1688.0	2638.0	2162.0	3010.0	3458.0	1854.0	2930.0	2516.0	3532.0	4058.0	2186.0	3448.0	2300.0	1860.0	2604.0	2274.0
A-118 18.3Kw	970.0	1348.0	1546.0	NA	1282.0	1096.0	1522.0	1748.0	932.0	1456.0	1244.0	1730.0	1988.0	1060.0	1656.0	1356.0	1888.0	2170.0	1158.0	1808.0	1548.0	2160.0	2482.0	1325.0	2090.0	1774.0	2496.0	2868.0	1534.0	2424.0	2060.0	2896.0	3326.0	1784.0	2788.0	2280.0	3178.0	3654.0	1958.0	3096.0	2660.0	3732.0	4288.0	2304.0	3642.0	2432.0	1968.0	2752.0	2440.0
A-118 22Kw	1018.0	1415.0	1624.0	NA	1348.0	1150.0	1600.0	1836.0	978.0	1526.0	1306.0	1816.0	2088.0	1112.0	1740.0	1424.0	1984.0	2280.0	1214.0	1900.0	1628.0	2266.0	2606.0	1390.0	2196.0	1866.0	2622.0	3010.0	1610.0	2546.0	2164.0	3040.0	3492.0	1870.0	2928.0	2400.0	3336.0	3834.0	2056.0	3250.0	2792.0	3918.0	4500.0	2422.0	3820.0	2554.0	2066.0	2892.0	2520.0
A-118 30Kw	1086.0	1510.0	1732.0	922.0	1438.0	1226.0	1708.0	1960.0	1042.0	1630.0	1392.0	1940.0	2230.0	1186.0	1854.0	1520.0	2116.0	2430.0	1294.0	2024.0	1736.0	2416.0	2780.0	1480.0	2338.0	1988.0	2796.0	3210.0	1716.0	2712.0	2306.0	3238.0	3722.0	1992.0	3118.0	2554.0	3552.0	4080.0	2188.0	3462.0	2976.0	4170.0	4792.0	2580.0	4070.0	2726.0	2200.0	3082.0	2686.0
A-127 15 Kw	NA	1451.8	1670.0	NA	1385.0	1183.0	1645.0	1890.0	NA	1570.0	1342.0	1870.0	2145.0	1145.0	1788.0	1465.0	2040.0	2342.0	1250.0	1955.0	1672.0	2330.0	2675.0	1430.0	2260.0	1919.0	2695.0	3100.0	1658.0	2619.0	2228.0	3128.0	3590.0	1925.0	3010.0	2470.0	3430.0	3945.0	2118.0	3342.0	2875.0	4030.0	4628.0	2495.0	3935.0	2625.0	2125.0	2970.0	2595.0
A-127 18.3 Kw	NA	1535.8	1765.0	NA	1465.0	1250.0	1740.0	1998.0	NA	1660.0	1420.0	1975.0	2270.0	1210.0	1890.0	1550.0	2155.0	2475.0	1322.0	2065.0	1770.0	2465.0	2830.0	1512.0	2388.0	2030.0	2850.0	3275.0	1752.0	2768.0	2350.0	3308.0	3800.0	2035.0	3185.0	2610.0	3630.0	4165.0	2240.0	3535.0	3040.0	4265.0	4895.0	2635.0	4160.0	2780.0	2245.0	3140.0	2745.0
A-127 22 Kw	1159.0	1611.8	1850.0	NA	1535.0	1310.0	1823.0	2096.0	NA	1740.0	1490.0	2070.0	2380.0	1268.0	1980.0	1625.0	2262.0	2598.0	1384.0	2165.0	1855.0	2584.0	2970.0	1585.0	2500.0	2123.0	2990.0	3430.0	1838.0	2900.0	2468.0	3465.0	3980.0	2135.0	3340.0	2735.0	3805.0	4370.0	2345.0	3705.0	3180.0	4465.0	5135.0	2760.0	4360.0	2910.0	2355.0	3290.0	2878.0
A-127 30 Kw	1258.0	1748.5	2010.8	NA	1665.0	1423.0	1980.0	2273.0	1210.0	1890.0	1675.0	2250.0	2585.0	1375.0	2150.0	1760.0	2455.0	2821.0	1503.0	2350.0	2015.0	2805.0	3225.0	1719.0	2714.0	2305.0	3240.0	3730.0	1990.0	3150.0	2678.0	3760.0	4320.0	2315.0	3620.0	2965.0	4130.0	4738.0	2542.0	4015.0	3450.0	4840.0	5560.0	2995.0	4730.0	3160.0	2555.0	3570.0	3120.0
A-127 37 Kw	1327.0	1845.8	2115.8	1125.0	1755.0	1500.0	2085.0	2395.0	1275.0	1990.0	1700.0	2370.0	2725.0	1450.0	2265.0	1855.0	2585.0	2970.0	1582.0	2475.0	2121.0	2958.0	3400.0	1810.0	2860.0	2430.0	3418.0	3925.0	2098.0	3314.0	2815.0	3960.0	4550.0	2435.0	3815.0	3125.0	4350.0	4993.0	2678.0	4230.0	3635.0	5099.0	5856.0	3150.0	4980.0	3330.0	2690.0	3765.0	3290.0
A-136 18.3Kw	NA	1733.0	1990.0	NA	1650.0	1410.0	1960.0	2250.0	NA	1873.0	1600.0	2225.0	2560.0	1365.0	2130.0	1745.0	2430.0	2795.0	1490.0	2330.0	1995.0	2780.0	3190.0	1705.0	2695.0	2290.0	3215.0	3695.0	1977.0	3120.0	2655.0	3730.0	4280.0	2300.0	3595.0	2945.0	4090.0	4700.0	2525.0	3990.0	3430.0	4805.0	5520.0	2975.0	4690.0	3130.0	2535.0	3540.0	3090.0
A-136 22Kw	NA	1817.0	2085.0	NA	1733.0	1480.0	2055.0	2360.0	NA	1965.0	1680.0	2335.0	2685.0	1430.0	2235.0	1830.0	2550.0	2930.0	1563.0	2440.0	2095.0	2915.0	3350.0	1790.0	2825.0	2400.0	3370.0	3870.0	2075.0	3275.0	2785.0	3910.0	4490.0	2410.0	3770.0	3090.0	4290.0	4930.0	2650.0	4185.0	3595.0	5040.0	5790.0	3120.0	4920.0	3280.0	2660.0	3720.0	3250.0
A-136 30Kw	1433.0	1990.0	2285.0	NA	1895.0	1620.0	2250.0	2585.0	1377.0	2150.0	1840.0	2560.0	2940.0	1565.0	2450.0	2005.0	2795.0	3210.0	1710.0	2675.0	2290.0	3190.0	3670.0	1955.0	3095.0	2630.0	3645.0	4240.0	2270.0	3585.0	3050.0	4280.0	4920.0	2635.0	4125.0	3380.0	4700.0	5400.0	2900.0	4580.0	3935.0	5520.0	5340.0	3410.0	5390.0	3600.0	2910.0	4070.0	3550.0
A-136 37Kw	1513.0	2100.0	2415.0	NA	2000.0	1710.0	2380.0	2730.0	1453.0	2270.0	1940.0	2700.0	3105.0	1653.0	2585.0	2115.0	2950.0	3390.0	1805.0	2825.0	2420.0	3370.0	3870.0	2065.0	3265.0	2775.0	3900.0	4480.0	2395.0	3785.0	3215.0	4520.0	5195.0	2780.0	4355.0	3565.0	4960.0	5700.0	3060.0	4830.0	4150.0	5830.0	6690.0	3600.0	5680.0	3800.0	3070.0	4300.0	3750.0
A-136 45Kw	1595.0	2215.0	2545.0	NA	2110.0	1800.0	2510.0	2880.0	1533.0	2393.0	2045.0	2850.0	3275.0	1740.0	2725.0	2230.0	3110.0	3570.0	1900.0	2975.0	2550.0	3555.0	4080.0	2175.0	3440.0	2925.0	4110.0	4720.0	2520.0	3985.0	3390.0	4760.0	5470.0	2930.0	4585.0	3755.0	5230.0	6010.0	3220.0	5090.0	4370.0	6130.0	7040.0	3790.0	5980.0	4010.0	3240.0	4530.0	3950.0
A-145 18.3Kw	NA	2025.0	2320.0	NA	1930.0	1648.0	2290.0	2625.0	NA	2185.0	1870.0	2600.0	2985.0	NA	2490.0	2040.0	2840.0	3260.0	1740.0	2720.0	2332.0	3240.0	3725.0	1995.0	3145.0	2670.0	3755.0	4305.0	2310.0	3645.0	3100.0	4355.0	5000.0	2685.0	4190.0	3440.0	4780.0	5490.0	2952.0	4652.0	4000.0	5610.0	6445.0	3470.0	5480.0	3650.0	2959.0	4135.0	3615.0
A-145 22Kw	NA	2135.0	2450.0	NA	2035.0	1740.0	2415.0	2775.0	NA	2308.0	1975.0	2745.0	3155.0	1683.0	2630.0	2155.0	2995.0	3445.0	1839.0	2870.0	2460.0	3427.0	3935.0	2105.0	3320.0	2820.0	3965.0	4550.0	2435.0	3845.0	3275.0	4600.0	5275.0	2835.0	4430.0	3632.0	5050.0	5790.0	3115.0	4915.0	4225.0	5930.0	6795.0	3665.0	5785.0	3860.0	3128.0	4365.0	3810.0
A-145 30Kw	1699.0	2360.0	2705.0	NA	2245.0	1920.0	2665.0	3065.0	1630.0	2545.0	2175.0	3030.0	3485.0	1855.0	2900.0	2375.0	3310.0	3800.0	2025.0	3170.0	2718.0	3780.0	4345.0	2320.0	3665.0	3115.0	4375.0	5020.0	2690.0	4245.0	3610.0	5075.0	5830.0	3125.0	4880.0	4000.0	5570.0	6401.0	3435.0	5425.0	4660.0	6540.0	7510.0	4040.0	6380.0	4260.0	3451.0	4820.0	4205.0
A-145 37Kw	1797.0	2500.0	2865.0	NA	2380.0	2032.0	2825.0	3245.0	1728.0	2695.0	2305.0	3210.0	3690.0	1965.0	3070.0	2515.0	3505.0	4025.0	2145.0	3355.0	2875.0	4005.0	4600.0	2455.0	3875.0	3290.0	4630.0	5315.0	2845.0	4490.0	3820.0	5370.0	6170.0	3305.0	5170.0	4240.0	5895.0	6770.0	3630.0	5740.0	4930.0	6920.0	7935.0	4275.0	6742.0	4510.0	3650.0	5105.0	4450.0
A-145 45Kw	1885.0	2620.0	3010.0	NA	2497.0	2130.0	2965.0	3405.0	1810.0	2830.0	2420.0	3370.0	3865.0	2060.0	3220.0	2640.0	3675.0	4225.0	2248.0	3515.0	3010.0	4200.0	4825.0	2570.0	4065.0	3455.0	4850.0	5580.0	2980.0	4710.0	4005.0	5630.0	6470.0	3460.0	5420.0	4440.0	6170.0	7090.0	3805.0	6010.0	5160.0	7240.0	8330.0	4480.0	7065.0	4740.0	3820.0	5350.0	4670.0
A-154 22Kw	NA	2380.0	2735.0	NA	2270.0	1940.0	2695.0	3095.0	NA	2575.0	2205.0	3060.0	3520.0	NA	2930.0	2405.0	3340.0	3840.0	2050.0	3205.0	2745.0	3820.0	4390.0	2345.0	3705.0	3105.0	4420.0	5080.0	2720.0	4290.0	3650.0	5130.0	5890.0	3160.0	4940.0	4050.0	5620.0	6460.0	3475.0	5480.0	4710.0	6610.0	7590.0	4090.0	6550.0	4309.0	3480.0	4870.0	4250.0
A-154 30Kw	NA	2625.0	3015.0	NA	2500.0	2135.0	2970.0	3410.0	NA	2835.0	2425.0	3375.0	3880.0	2065.0	3230.0	2645.0	3680.0	4230.0	2255.0	3530.0	3025.0	4210.0	4840.0	2582.0	4080.0	3470.0	4870.0	5600.0	2992.0	4730.0	4020.0	5650.0	6490.0	3480.0	5440.0	4460.0	6200.0	7130.0	3829.0	6040.0	5190.0	7290.0	8370.0	4970.0	7220.0	4750.0	3844.0	5370.0	4690.0
A-154 37Kw	1990.0	2765.0	3175.0	NA	2635.0	2250.0	3125.0	3590.0	1915.0	2985.0	2555.0	3550.0	4080.0	2175.0	3400.0	2785.0	3880.0	4460.0	2375.0	3715.0	3180.0	4430.0	5090.0	2720.0	4295.0	3650.0	5130.0	5890.0	3150.0	4980.0	4230.0	5950.0	6840.0	3658.0	5730.0	4690.0	6530.0	7500.0	4025.0	6352.0	5460.0	7670.0	8800.0	4742.0	7590.0	5000.0	4050.0	5650.0	4940.0
A-154 45Kw	2090.0	2900.0	3330.0	NA	2765.0	2360.0	3280.0	3770.0	2005.0	3135.0	2680.0	3730.0	4280.0	2280.0	3570.0	2920.0	4070.0	4680.0	2490.0	3900.0	3340.0	4650.0	5350.0	2850.0	4500.0	3830.0	5380.0	6180.0	3300.0	5220.0	4440.0	6240.0	7170.0	3835.0	6005.0	4920.0	6840.0	7870.0	4215.0	6660.0	5730.0	8040.0	9240.0	4500.0	7970.0	5250.0	4240.0	5930.0	5170.0
A-154 55Kw	2210.0	3070.0	3525.0	NA	2925.0	2495.0	3475.0	3990.0	2120.0	3315.0	2835.0	3950.0	4540.0	2415.0	3775.0	3090.0	4305.0	4950.0	2635.0	4125.0	3530.0	4920.0	5650.0	3012.0	4765.0	4050.0	5685.0	6540.0	3495.0	5520.0	4700.0	6600.0	7575.0	4060.0	6355.0	5210.0	7240.0	8320.0	4460.0	7050.0	6060.0	8500.0	9760.0	4090.0	8425.0	5550.0	4480.0	6270.0	5470.0
A-163 22 Kw	NA	2575.0	2950.0	NA	2450.0	NA	2910.0	3340.0	NA	2780.0	2380.0	3310.0	3800.0	NA	3165.0	2595.0	3610.0	4140.0	2215.0	3460.0	2965.0	4120.0	4770.0	2535.0	4000.0	3400.0	4770.0	5480.0	2940.0	4630.0	3945.0	5530.0	6350.0	3415.0	4370.0	4370.0	6070.0	6970.0	3750.0	5920.0	5090.0	7125.0	8190.0	4420.0	6960.0	4650.0	3760.0	5260.0	4600.0
A-163 30 Kw	NA	2840.0	3260.0	NA	2710.0	2310.0	3215.0	3690.0	NA	3070.0	2625.0	3650.0	4195.0	2240.0	3495.0	2865.0	3990.0	4580.0	2445.0	3820.0	3275.0	4550.0	5240.0	2800.0	4415.0	3755.0	5270.0	6060.0	3240.0	5120.0	4350.0	6120.0	7030.0	3770.0	4830.0	4830.0	6710.0	7710.0	4140.0	6540.0	5620.0	7890.0	9060.0	4880.0	7700.0	5140.0	4160.0	5810.0	5080.0
A-163 37 Kw	NA	3020.0	3460.0	NA	2875.0	2455.0	3410.0	3920.0	NA	3260.0	2790.0	3880.0	4450.0	2375.0	3710.0	3040.0	4230.0	4860.0	2595.0	4055.0	3475.0	4840.0	5560.0	2970.0	4685.0	3980.0	5600.0	6430.0	3440.0	5435.0	4620.0	6490.0	7460.0	4000.0	5120.0	5130.0	7121.0	8190.0	4400.0	6940.0	5970.0	8370.0	9620.0	5170.0	8170.0	5450.0	4410.0	6170.0	5390.0
A-163 45 Kw	2275.0	3160.0	3630.0	NA	3010.0	2570.0	3580.0	4110.0	NA	3415.0	2920.0	4065.0	4670.0	2490.0	3885.0	3185.0	4430.0	5100.0	2715.0	4250.0	3640.0	5070.0	5820.0	3110.0	4910.0	4170.0	5860.0	6740.0	3600.0	5690.0	4840.0	6800.0	7820.0	4190.0	6550.0	5360.0	7460.0	8580.0	4600.0	7275.0	6250.0	8770.0	10060.0	5420.0	8550.0	5720.0	4620.0	6470.0	5650.0
A-163 55 Kw	2415.0	3350.0	3850.0	NA	3195.0	2725.0	3790.0	4360.0	2320.0	3620.0	3095.0	4310.0	4950.0	2635.0	4120.0	3375.0	4700.0	5400.0	2880.0	4500.0	3855.0	5370.0	6170.0	3290.0	5210.0	4420.0	6210.0	7150.0	3820.0	6030.0	5135.0	7200.0	8280.0	4430.0	6940.0	5685.0	7910.0	9100.0	4880.0	7700.0	6610.0	9290.0	10670.0	5740.0	9070.0	6060.0	4895.0	6860.0	5990.0
A-172 30Kw	NA	3245.0	3728.0	NA	3096.0	2647.0	3678.0	4219.0	NA	3510.0	3000.0	4170.0	4795.0	2560.0	3995.0	3270.0	4558.0	5230.0	2798.0	4362.0	3745.0	5200.0	5985.0	3195.0	5050.0	4294.0	6019.0	6915.0	3710.0	5850.0	4975.0	6990.0	8030.0	4310.0	6730.0	5510.0	7670.0	8810.0	4730.0	7470.0	6420.0	9010.0	10350.0	5570.0	8790.0	5860.0	4750.0	6630.0	5800.0
A-172 37Kw	NA	3445.0	3962.0	NA	3285.0	2805.0	3905.0	4480.0	NA	3723.0	3182.0	4437.0	5088.0	2715.0	4238.0	3478.0	4840.0	5562.0	2965.0	4630.0	3968.0	5530.0	6350.0	3390.0	5360.0	4546.0	6388.0	7340.0	3930.0	6215.0	5275.0	7425.0	8515.0	4570.0	7150.0	5850.0	8150.0	9350.0	5020.0	7930.0	6820.0	9570.0	10990.0	5910.0	9330.0	6230.0	5040.0	7050.0	6150.0
A-172 45Kw	2612.0	3625.0	4160.0	NA	3455.0	2948.0	4105.0	4710.0	NA	3915.0	3353.0	4660.0	5350.0	2858.0	4460.0	3650.0	5082.0	5850.0	3115.0	4870.0	4170.0	5819.0	6680.0	3568.0	5630.0	4780.0	6718.0	7725.0	4135.0	6535.0	5545.0	7790.0	8950.0	4800.0	7510.0	6150.0	8570.0	9830.0	5280.0	8340.0	7160.0	10050.0	11550.0	6220.0	9810.0	6550.0	5300.0	7410.0	6470.0
A-172 55Kw	2765.0	3848.0	4418.0	NA	3662.0	3130.0	4348.0	4995.0	2660.0	4155.0	3548.0	4940.0	5680.0	3028.0	4732.0	3870.0	5388.0	6193.0	3300.0	5170.0	4422.0	6157.0	7080.0	3784.0	5976.0	5066.0	7125.0	8195.0	4385.0	6925.0	5880.0	8270.0	9500.0	5090.0	7960.0	6520.0	9080.0	10430.0	5600.0	8840.0	7580.0	10660.0	12230.0	6580.0	10400.0	6950.0	5620.0	7850.0	6860.0
A-172 75Kw	2995.0	4160.0	4775.0	2545.0	3965.0	3388.0	4710.0	5410.0	2878.0	4490.0	3845.0	5343.0	6140.0	3270.0	5110.0	4185.0	5830.0	6699.0	3570.0	5590.0	4780.0	6660.0	7671.0	4084.0	6455.0	5480.0	7705.0	8852.0	4730.0	7475.0	6355.0	8940.0	10260.0	5500.0	8600.0	7050.0	9800.0	11270.0	6040.0	9550.0	8195.0	11520.0	13210.0	7110.0	11230.0	7515.0	6070.0	8500.0	7410.0
A-181 37Kw	NA	4512.0	5168.0	NA	4300.0	3670.0	5100.0	5848.0	NA	4870.0	4170.0	5795.0	6650.0	NA	5545.0	4550.0	6315.0	7255.0	3880.0	6063.0	5190.0	7219.0	8290.0	4440.0	7005.0	5945.0	8350.0	9610.0	5148.0	8115.0	6900.0	9685.0	11145.0	5985.0	9350.0	7665.0	10645.0	12208.0	6575.0	10375.0	8900.0	12500.0	14345.0	7740.0	12200.0	8152.0	6585.0	9200.0	8050.0
A-181 45Kw	NA	4815.0	5515.0	NA	4585.0	3910.0	5435.0	6240.0	NA	5195.0	4445.0	6180.0	7100.0	3790.0	5910.0	4850.0	6752.0	7740.0	4142.0	6460.0	5535.0	7710.0	8850.0	4738.0	7470.0	6350.0	7919.0	10250.0	5493.0	8655.0	7370.0	10350.0	11880.0	6380.0	9970.0	8175.0	11345.0	13060.0	7005.0	11070.0	9500.0	13321.0	15325.0	8260.0	13025.0	8680.0	7030.0	9815.0	8580.0
A-181 55Kw	3650.0	5070.0	5818.0	NA	4838.0	4125.0	5735.0	6590.0	NA	5480.0	4690.0	6515.0	7495.0	3995.0	6245.0	5110.0	7109.0	8170.0	4366.0	6815.0	5840.0	8130.0	9336.0	4990.0	7875.0	6695.0	9400.0	10815.0	5790.0	9140.0	7760.0	10915.0	12525.0	6725.0	10515.0	8605.0	11970.0	13770.0	7395.0	11670.0	10015.0	14080.0	16170.0	8700.0	13725.0	9170.0	7425.0	10370.0	9050.0
A-181 75Kw	3975.0	5518.0	6345.0	NA	5255.0	4492.0	6250.0	7175.0	3819.0	5968.0	5099.0	7100.0	8158.0	4340.0	6795.0	5560.0	7735.0	8892.0	4748.0	7410.0	6350.0	8845.0	10160.0	5430.0	8570.0	7275.0	10230.0	11750.0	6285.0	9930.0	8438.0	11880.0	13625.0	7310.0	11440.0	9360.0	13014.0	14980.0	8025.0	12675.0	10890.0	15290.0	17546.0	9460.0	14925.0	9980.0	8065.0	11265.0	9845.0
A-181 100Kw	4248.0	5903.0	6780.0	NA	5610.0	4790.0	6665.0	7665.0	4075.0	6360.0	5440.0	7570.0	8700.0	4630.0	7240.0	5930.0	8265.0	9490.0	5065.0	7910.0	6775.0	9438.0	10850.0	5795.0	9150.0	7765.0	10930.0	12550.0	6700.0	10610.0	9000.0	12650.0	14540.0	7790.0	12200.0	9978.0	13884.0	15970.0	8555.0	13515.0	11610.0	16300.0	18740.0	10070.0	15900.0	10650.0	8600.0	12025.0	10515.0
A-190 45Kw	NA	5950.0	6820.0	NA	5670.0	NA	6720.0	7710.0	NA	6420.0	5500.0	7630.0	8780.0	NA	7310.0	6000.0	8330.0	9580.0	5120.0	7990.0	6850.0	9520.0	10950.0	5860.0	9230.0	7840.0	11020.0	12660.0	6795.0	10700.0	9098.0	12780.0	14690.0	7890.0	12320.0	10095.0	14030.0	16120.0	8680.0	13680.0	11760.0	16470.0	18900.0	10200.0	16080.0	10730.0	8700.0	12140.0	10600.0
A-190 55Kw	NA	6320.0	7255.0	NA	6020.0	5140.0	7150.0	8200.0	NA	6830.0	5840.0	8130.0	9330.0	4980.0	7780.0	6370.0	8870.0	10180.0	5442.0	8500.0	7280.0	10120.0	11640.0	6220.0	9820.0	8350.0	11730.0	13460.0	7210.0	11370.0	9650.0	13600.0	15610.0	8370.0	13100.0	10720.0	14920.0	17150.0	9220.0	14550.0	12500.0	17500.0	20100.0	10840.0	17120.0	11400.0	9240.0	12900.0	11300.0
A-190 75Kw	4960.0	6895.0	7920.0	NA	6570.0	5618.0	7795.0	8950.0	NA	7450.0	6370.0	8870.0	10190.0	5425.0	8480.0	6960.0	9680.0	11102.0	5930.0	9260.0	7950.0	11060.0	12710.0	6780.0	10720.0	9100.0	12800.0	14690.0	7870.0	12420.0	10550.0	14840.0	17050.0	9140.0	14300.0	11720.0	16280.0	18720.0	10050.0	15860.0	13640.0	19140.0	21940.0	11820.0	18680.0	12450.0	10080.0	14080.0	12300.0
A-190 100Kw	5320.0	7380.0	8480.0	NA	7030.0	6000.0	8350.0	9596.0	5110.0	7970.0	6820.0	9500.0	10890.0	5815.0	9080.0	7440.0	10360.0	11885.0	6340.0	9910.0	8505.0	11820.0	13580.0	7250.0	11470.0	9740.0	13680.0	15720.0	8410.0	13280.0	11300.0	15860.0	18220.0	9780.0	15280.0	12520.0	17430.0	20020.0	10750.0	16960.0	14580.0	20440.0	23500.0	12640.0	19940.0	13340.0	10790.0	15100.0	13180.0
A-190 135Kw	5840.0	8120.0	9320.0	4960.0	7730.0	6600.0	9190.0	10550.0	5610.0	8770.0	7500.0	10420.0	11980.0	6380.0	9975.0	8160.0	11380.0	13080.0	6960.0	10900.0	9340.0	13000.0	14950.0	7960.0	12590.0	10700.0	15020.0	17280.0	9220.0	14600.0	12420.0	17440.0	20010.0	10720.0	16780.0	13750.0	19120.0	21960.0	11780.0	18620.0	15980.0	22440.0	25800.0	13880.0	21880.0	14650.0	11850.0	16560.0	14450.0

Advance 2020 Series A R3, 2016 **Five Cell Arrangement** **All Flows in CMH**

Condition Reference #	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00	31.00	32.00	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00	41.00	42.00	43.00	44.00	45.00	46.00	47.00	48.00	49.00
Wet Bulb °C	10.00	10.00	10.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	16.00	16.00	16.00	16.00	16.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	21.00	21.00	21.00	24.00	24.00	24.00	24.00	24.00	27.00	27.00	27.00	27.00	27.00	29.00	29.00	29.00	29.00	29.00	32.20	32.20	32.20	32.20	32.20	21.00	25.56	27.00	28.00
Range °C	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	5.00	5.56	5.00	5.00
Approach °C	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	6.00	3.89	5.00	4.00
Inlet Water Temperature °C	20.00	22.00	23.00	22.00	25.00	23.00	25.00	26.00	25.00	28.00	26.00	28.00	29.00	28.00	31.00	28.00	30.00	31.00	30.00	33.00	31.00	33.00	34.00	33.00	36.00	34.00	36.00	37.00	36.00	39.00	37.00	39.00	40.00	39.00	42.00	39.00	41.00	42.00	41.00	44.00	42.20	44.20	45.20	44.20	47.20	32.00	35.00	37.00	37.00
Outlet Water Temperature °C	14.00	16.00	17.00	14.00	17.00	17.00	19.00	20.00	17.00	20.00	20.00	22.00	23.00	20.00	23.00	22.00	24.00	25.00	22.00	25.00	25.00	27.00	28.00	25.00	28.00	28.00	30.00	31.00	28.00	31.00	31.00	33.00	34.00	31.00	34.00	33.00	35.00	36.00	33.00	36.00	36.20	38.20	39.20	36.20	39.20	27.00	29.44	32.00	32.00
Model No. A-37 to A-190 Five Cell																																																	
A-37 0.75Kw	NA	88.5	101.5	84.3	NA	100.3	100.3	115.0	NA	95.3	NA	113.8	130.5	NA	108.5	89.0	124.5	143.0	NA	118.8	101.8	142.0	163.0	86.8	137.8	116.5	164.8	189.3	100.8	159.5	135.3	191.0	219.0	150.5	183.5	150.0	209.0	240.5	128.5	204.0	175.0	246.0	283.0	151.5	239.5	160.0	129.3	181.5	158.0
A-37 1.1Kw	NA	99.3	113.8	94.3	NA	112.0	112.0	129.0	NA	106.8	91.5	127.5	146.5	NA	121.8	99.8	139.3	160.3	84.8	133.3	114.0	159.3	183.0	97.3	154.3	130.8	184.3	212.0	112.8	178.8	151.5	214.0	246.0	169.0	206.0	168.5	235.0	270.0	144.3	228.5	196.5	276.0	317.5	170.0	268.8	179.5	144.8	203.0	177.0
A-37 1.5Kw	NA	106.7	122.8	101.5	86.8	121.0	121.0	139.0	NA	115.3	98.5	137.5	158.3	NA	131.3	107.3	150.0	172.8	91.4	143.5	122.8	171.8	197.5	104.8	166.0	141.0	198.8	229.0	121.3	192.5	163.5	230.3	265.0	182.5	221.8	181.5	253.5	291.0	155.3	246.5	211.5	297.5	342.0	182.8	290.0	193.5	156.0	218.8	191.0
A-37 2.2Kw	86.8	121.0	139.3	115.3	98.0	137.0	137.0	157.8	NA	130.8	111.5	155.8	179.3	94.8	148.8	121.8	170.3	195.8	103.5	162.8	139.0	194.5	223.5	118.5	188.0	159.5	225.0	259.3	137.3	218.0	185.0	261.0	300.5	206.5	251.5	205.5	287.0	330.0	175.5	279.0	239.0	337.0	387.5	206.8	328.5	219.5	177.0	248.5	216.5
A-37 3.75Kw	99.3	138.5	159.5	131.8	112.8	157.0	157.0	180.5	95.3	149.5	127.5	178.5	205.0	108.3	170.3	139.3	194.5	224.0	118.3	186.0	159.0	222.5	256.0	135.3	215.0	182.3	257.0	296.5	157.0	249.5	211.5	298.5	343.0	236.0	287.0	234.5	327.8	377.0	200.5	318.5	273.0	385.0	442.5	236.0	374.8	251.5	202.0	284.0	247.5
A-46 1.1Kw	NA	126.5	145.0	NA	NA	NA	143.3	164.3	NA	136.8	NA	162.5	186.5	NA	155.5	127.5	177.5	203.8	NA	169.8	145.8	202.5	232.5	NA	196.8	167.0	234.5	269.0	144.5	227.5	193.5	271.5	312.0	167.5	262.0	214.5	298.0	342.0	184.3	290.0	250.0	349.0	400.0	217.0	341.0	227.5	184.5	258.0	225.0
A-46 1.5Kw	NA	138.0	158.5	NA	131.5	NA	156.3	179.3	NA	149.0	127.3	177.0	203.5	NA	169.5	139.0	193.5	222.3	NA	185.5	159.0	221.0	254.0	135.8	214.0	181.8	255.5	293.5	157.3	248.5	211.0	296.5	340.5	183.0	285.5	234.0	325.0	374.0	201.0	316.5	272.5	382.0	438.0	236.5	373.0	248.5	201.5	281.5	246.0
A-46 2.2Kw	NA	155.5	178.5	NA	148.0	126.5	176.0	202.0	NA	167.8	143.5	199.5	229.5	NA	191.0	156.5	218.3	250.5	133.8	208.8	178.8	249.3	286.0	152.8	241.5	205.0	288.5	331.0	177.0	279.5	237.8	334.0	384.0	206.0	322.0	263.5	367.0	421.0	226.5	357.0	306.5	430.0	494.0	266.5	420.0	280.5	227.0	317.0	277.0
A-46 3.75Kw	131.3	182.5	209.8	NA	173.8	148.3	206.5	237.0	126.0	197.0	168.3	234.5	269.5	143.3	224.0	183.5	255.8	294.0	156.5	244.8	209.8	292.3	335.5	179.0	283.0	240.0	338.0	388.0	207.5	327.5	278.5	391.5	450.0	241.0	377.0	309.0	430.0	493.0	265.0	418.0	359.0	504.0	578.5	312.0	492.0	329.0	266.0	372.0	325.0
A-46 5.5Kw	143.0	198.8	228.3	NA	189.5	161.5	224.8	258.3	137.3	214.5	183.3	255.5	293.3	156.0	244.0	200.0	278.5	320.0	170.5	266.5	228.3	318.0	365.5	195.0	308.0	261.5	367.5	422.5	226.0	357.0	303.5	426.0	489.0	262.0	410.0	336.0	467.5	536.5	288.0	454.5	391.0	548.0	629.0	339.0	535.0	359.0	289.5	405.0	354.0
A-55 1.1Kw	NA	146.0	167.8	NA	139.5	NA	165.5	189.5	NA	158.0	135.5	188.0	215.5	NA	180.0	147.5	205.0	235.3	126.3	196.5	168.5	234.0	268.0	144.3	227.0	193.0	270.5	310.0	167.0	263.0	223.5	313.0	359.0	194.0	302.0	248.0	343.5	394.0	213.5	335.5	288.5	403.0	461.0	251.0	394.0	263.0	214.0	297.0	260.5
A-55 1.5Kw	NA	161.3	184.5	NA	153.8	131.5	182.5	209.0	NA	174.0	149.0	207.0	237.5	125.5	198.3	162.5	225.5	259.5	138.8	216.5	185.5	258.0	296.0	159.0	250.5	212.5	298.0	342.5	184.0	290.0	246.5	346.0	396.5	214.0	334.0	273.5	380.0	436.0	235.0	370.5	318.0	445.5	511.0	277.0	436.0	290.5	235.5	329.0	287.5
A-55 2.2Kw	131.3	182.0	209.0	NA	173.5	148.5	206.0	236.5	126.3	196.8	168.5	234.0	269.0	143.5	224.0	183.5	255.0	293.5	156.8	245.0	210.0	292.0	335.5	179.5	283.0	240.5	337.5	388.0	208.0	328.0	279.0	392.0	450.0	241.5	377.5	309.0	430.0	494.5	265.5	419.0	360.5	505.0	580.0	313.0	494.0	329.0	266.5	372.0	325.0
A-55 3.75Kw	153.3	213.0	244.5	130.3	203.0	173.5	241.0	277.0	147.5	230.0	197.0	273.5	314.5	167.5	262.0	214.8	299.0	343.0	183.0	286.5	245.5	341.5	393.0	209.5	331.0	281.0	395.5	454.5	243.0	383.5	326.0	458.0	526.5	282.0	441.5	361.5	504.0	578.0	310.0	490.5	420.5	591.0	679.0	365.0	557.0	385.0	312.0	435.5	381.0
A-55 5.5Kw	166.5	231.5	266.0	141.5	220.5	188.0	262.0	300.8	160.0	250.0	213.8	298.0	342.0	182.0	284.5	233.0	324.5	373.0	199.0	311.0	266.5	371.0	427.0	227.5	259.5	305.0	430.0	494.0	263.5	417.0	354.0	497.5	572.5	306.5	479.5	393.0	546.0	627.5	336.5	532.0	457.0	642.0	738.0	396.0	626.0	419.0	338.0	473.0	413.0
A-55 7.5Kw	186.0	258.5	296.5	157.5	246.0	210.0	292.0	335.5	178.5	279.0	238.5	332.0	381.5	203.0	317.5	260.0	362.5	416.0	221.5	347.0	297.0	414.0	475.5	253.5	400.5	340.0	479.0	549.5	293.5	464.5	394.5	555.0	637.0	341.0	534.0	437.0	609.0	700.0	375.0	593.0	509.0	715.0	819.5	441.0	697.0	467.0	377.0	527.0	460.0
A-64 1.5Kw	150.0	208.0	238.5	128.0	198.5	169.5	235.0	270.0	144.5	225.0	192.5	267.5	307.0	164.3	256.0	210.0	291.5	335.0	179.5	279.5	240.0	333.5	382.0	205.5	323.5	275.0	385.0	442.0	238.0	374.5	319.0	447.0	512.0	276.5	430.0	353.5	489.0	562.0	304.0	478.0	411.0	575.0	660.0	357.0	562.0	375.0	304.0	424.0	371.0
A-64 2.2Kw	166.5	231.5	265.0	141.8	220.5	188.5	261.5	300.0	160.5	250.0	214.0	297.0	341.0	182.5	284.5	233.0	324.5	372.0	199.0	311.0	266.5	370.5	426.0	228.0	359.0	305.5	429.0	493.0	264.0	416.5	354.0	497.0	571.0	307.0	479.0	393.0	545.0	627.0	337.0	531.0	457.0	640.0	735.0	397.0	625.0	417.5	338.0	472.0	413.0
A-64 3.75Kw	196.0	272.0	312.0	166.5	259.5	221.5	308.0	353.5	188.5	294.0	251.5	350.0	402.0	214.5	334.5	274.0	381.5	438.0	234.0	365.5	313.0	436.0	501.0	267.5	422.0	359.0	504.0	580.0	310.0	489.5	416.0	585.0	671.0	360.0	563.0	462.0	642.0	737.0	396.0	625.0	537.0	754.0	865.0	466.5	735.0	492.0	398.0	555.0	486.0
A-64 5.5Kw	218.0	303.0	347.5	185.0	288.5	246.0	342.5	393.0	209.5	326.5	279.5	389.0	447.0	238.0	372.0	305.0	424.0	488.0	259.5	406.5	348.0	485.0	557.0	297.0	469.0	398.5	560.0	644.0	344.0	543.5	462.5	650.0	746.0	399.5	625.0	512.5	713.0	819.0	439.0	694.0	595.5	835.5	960.0	517.5	816.0	547.0	442.0	618.0	540.0
A-64 7.5Kw	232.5	323.0	371.0	197.5	308.0	263.0	365.5	420.0	223.5	348.5	298.0	415.0	477.0	253.5	397.0	325.0	453.0	520.0	277.0	433.5	372.0	517.5	594.5	317.0	500.5	425.0	598.0	687.0	367.0	579.5	493.0	693.5	796.0	426.0	667.0	547.0	761.0	873.0	468.5	740.0	636.0	891.0	1023.0	551.0	869.0	584.0	471.0	659.0	576.0
A-64 9.3Kw	251.0	349.0	400.5	212.5	332.0	283.0	395.0	453.0	240.5	376.5	322.0	448.0	514.0	273.5	428.0	350.5	489.0	561.0	298.5	467.5	400.0	558.5	641.0	341.5	539.5	456.0	644.0	740.0	395.5	625.0	531.0	747.0	856.5	459.0	718.0	589.0	819.0	941.0	505.0	797.0	684.0	960.0	1101.0	593.5	935.0	630.0	508.0	711.0	620.0
A-73 2.2Kw	200.0	278.0	318.5	NA	264.5	226.5	314.0	360.0	193.0	299.5	256.5	357.0	409.0	219.5	341.5	280.0	389.0	447.0	239.5	373.0	319.5	444.0	511.0	274.0	431.5	366.0	514.0	317.0	499.0	425.0	425.0	596.0	684.0	368.5	575.0	471.0	653.0	751.0	405.0	637.0	548.0	766.0	880.0	476.0	750.0	500.0	406.0	566.0	495.0
A-73 3.75Kw	233.5	324.0	372.0	198.5	309.0	263.5	367.0	420.5	224.5	350.0	299.5	416.0	478.0	255.5	398.5	327.0	455.0	522.0	279.0	435.5	373.0	520.0	597.0	319.0	503.0	428.0	690.0	370.0	584.0	496.0	496.0	697.0	806.0	430.0	671.0	550.0	764.0	878.0	472.0	745.0	640.0	898.0	1030.0	556.0	877.0	585.0	474.0	662.0	578.0
A-73 5.5Kw	259.5	361.0	414.0	220.5	343.5	293.5	408.0	469.0	249.5	390.0	333.0	464.0	533.0	284.0	443.5	363.0	506.0	581.0	310.0	484.5	415.0	578.0	665.0	355.0	560.0	475.5	769.0	411.0	649.0	552.0	552.0	775.0	890.0	478.0	747.0	612.0	850.0	978.0	525.0	828.0	711.0	998.0	1148.0	618.0	975.0	651.0	527.0	738.0	644.0
A-73 7.5Kw	287.0	399.0	458.0	244.0	380.0	324.0	451.0	519.0	276.0	430.5	368.0	513.0	589.0	313.5	490.0	402.0	560.0	643.0	342.5	536.0	459.0	639.0	754.0	392.0	619.0	526.0	849.0	454.0	717.0	609.0	609.0	856.0	985.0	527.0	825.0	676.0	941.0	1080.0	579.0	915.0	786.0	1103.0	1266.0	682.0	1075.0	720.0	582.0	814.0	711.0
A-73 9.3Kw	301.5	420.0	482.0	256.0	399.5	341.0	475.0	545.0	290.0	453.0	387.0	539.0	620.0	329.5	515.5	422.0	588.0	676.0	360.0	563.0	482.0	672.0	772.0	412.0	651.0	552.0	892.0	476.5	753.0	641.0	641.0	900.0	1033.0	554.0	866.0	710.0	988.0	1135.0	609.0	961.0	827.0	1160.0	1330.0	716.0	1130.0	757.0	612.0	855.0	746.5
A-82 2.2Kw	NA	295.0	338.0	NA	281.0	NA	333.0	382.0	NA	318.5	272.5	379.0	434.0	NA	362.5	297.0	413.0	473.0	254.0	396.0	340.0	472.0	541.0	291.0	457.0	389.0	545.0	625.0	337.0	530.0	451.0	631.0	724.0	391.0	609.0	499.0	692.0	795.0	430.0	676.0	581.0	812.0	930.0	505.0	794.0	531.0	430.0	600.0	525.0
A-82 3.75Kw	253.0	351.0	403.0	NA	335.0	286.0	397.0	456.0	NA	379.5	325.0	451.0	518.0	277.0	432.0	354.0	492.0	565.0	302.0	472.0	405.0	563.0	646.0	346.0	546.0	464.0	651.0	748.0	401.0	632.0	537.0	754.0	867.0	466.0	728.0	596.0	828.0	952.0	512.0	807.0	694.0	972.0	1115.0	602.0	950.0	634.0	513.0	718.0	627.0
A-82 5.50Kw	282.0	391.0	449.0	NA	372.5	318.0	443.0	508.0	271.0	422.0	361.0	502.0	578.0	308.0	481.0	394.0	548.0	630.0	336.0	525.0	450.0	626.0	720.0	385.0	607.0	516.0	725.0	833.0	446.0	704.0	599.0	841.0	965.0	518.0	810.0	663.0	922.0	1060.0	569.0	898.0	773.0	1083.0	1245.0	670.0	1057.0	707.0	572.0	800.0	699.0
A-82 7.50Kw	310.0	431.0	494.0	263.5	410.0	350.0	487.0	559.0	298.0	465.0	398.0	554.0	636.0	339.0	529.0	434.0	603.0	693.0	370.0	578.0	495.0	690.0	793.0	423.0	668.0	567.0	798.0	917.0	490.0	774.0	658.0	925.0	1062.0	569.0	891.0	729.0	1014.0	1166.0	626.0	988.0	850.0	1190.0	1368.0	737.0	1162.0	778.0	629.0	880.0	767.0
A-82 9.3Kw	326.5	454.0	521.0	277.0	432.0	368.5	513.0	590.0	313.5	490.0	419.0	583.0	670.0	357.0	557.0	457.0	636.0	730.0	389.0	609.0	522.0	727.0	835.0	445.0	704.0	597.0	840.0	966.0	516.0	815.0	693.0	974.0	1118.0	599.0	938.0	768.0	1068.0	1226.0	658.0	1040.0	894.0	1253.0	1439.0	775.0	1223.0	820.0	663.0	926.0	809.0
A-82 11Kw	338.0	470.0	540.0	287.0	448.0	382.0	532.0	611.0	325.0	508.0	433.5	604.0	695.0	370.0	578.0	474.0	659.0	758.0	403.0	631.0	541.0	753.0	865.0	462.0	729.0	620.0	870.0	1000.0	535.0	845.0	719.0	1008.0	1158.0	621.0	971.0	796.0	1106.0	1270.0	682.0	1077.0	925.0	1299.0	1490.0	803.0	1267.0	850.0	686.0	960.0	838.0
A-91 3.75Kw	NA	386.0	443.0	NA	368.0	NA	436.0	501.0	NA	417.0	357.0	496.0	569.0	NA	474.0	389.0	540.0	621.0	NA	518.0	445.0	618.0	710.0	380.5	599.0	510.0	715.0	820.0	441.0	695.0	591.0	828.0	952.0	512.0	798.0	654.0	910.0	1044.0	563.0	887.0	762.0	1066.0	1226.0	662.0	696.0	696.0	564.0	786.0	689.0
A-91 5.5Kw	NA	434.0	499.0	NA	414.0	354.0	491.0	564.0	NA	469.0	401.0	558.0	641.0	342.0	534.0	438.0	609.0	700.0	374.0	584.0	500.0	696.0	800.0	428.0	675.0	573.0	805.0	926.0	495.0	782.0	665.0	933.0	1071.0	576.0	900.0	738.0	1026.0	1178.0	633.0	998.0	858.0	1204.0	1382.0	745.0	784.0	784.0	635.0	888.0	776.0
A-91 7.5Kw	337.0	468.0	537.0	NA	446.0	381.0	530.0	608.0	NA	506.0	432.0	602.0	692.0	369.0	576.0	472.0	657.0	754.0	402.0	629.0	539.0	751.0	862.0	461.0	727.0	618.0	869.0	998.0	534.0	843.0	716.0	1007.0	1156.0	620.0	970.0	794.0	1106.0	1270.0	682.0	1076.0	924.0	1298.0	1490.0	802.0	846.0	846.0	684.0	958.0	836.0
A-91 9.3Kw	364.0	506.0	580.0	NA	482.0	411.0	572.0	657.0	350.0	546.0	467.0	650.0	747.0	398.0	622.0	510.0	709.0	814.0	434.0	679.0	582.0	811.0	932.0	497.0	785.0	667.0	937.0	1076.0	576.0	910.0	773.0	1087.0	1248.0	669.0	1046.0	858.0	1194.0	1370.0	736.0	1162.0	998.0	1400.0	1608.0	866.0	914.0	914.0	738.0	1032.0	902.0
A-91 11Kw	382.0	531.0	609.0	NA	505.0	431.0	600.0	690.0	367.0	573.0	490.0	682.0	784.0	417.0	652.0	534.0	743.0	854.0	456.0	712.0	610.0	850.0	976.0	521.0	823.0	700.0	983.0	1130.0	604.0	953.0	811.0	1140.0	1308.0	701.0	1098.0	900.0	1252.0	1436.0	771.0	1218.0	1046.0	1468.0	1686.0	908.0	958.0	958.0	775.0	1083.0	946.0
A-91 15Kw	412.0	573.0	658.0	350.0	545.0	366.0	648.0	744.0	396.0	618.0	528.0	735.0	845.0	450.0	704.0	576.0	803.0	922.0	491.0	769.0	658.0	917.0	1054.0	562.0	888.0	755.0	1060.0	1218.0	651.0	1029.0	875.0	1230.0	1410.0	756.0	1182.0	970.0	1348.0	1548.0	830.0	1312.0	1126.0	1580.0	1814.0	978.0	1034.0	1034.0	836.0	1168.0	1020.0
A-100 7.5Kw	NA	612.0	702.0	NA	582.0	497.0	692.0	794.0	NA	660.0	564.0	785.0	903.0	481.0	752.0	616.0	858.0	986.0	526.0	822.0	703.0	980.0	1126.0	601.0	950.0	806.0	1134.0	1302.0	697.0	1100.0	936.0	1316.0	1512.0	810.0	1266.0	1038.0	1444.0	1658.0	890.0	1406.0	1186.0	1676.0	1946.0	1048.0	1654.0	1104.0	894.0	1250.0	1090.0
A-100 9.3Kw	470.0	654.0	750.0	NA	623.0	532.0	740.0	850.0	NA	706.0	604.0	840.0	966.0	514.0	804.0	658.0	918.0	1054.0	562.0	878.0	752.0	1048.0	1204.0	643.0	1015.0	862.0	1212.0	1392.0	745.0	1176.0	1000.0	1406.0	1614.0	866.0	1354.0	1108.0	1542.0	1774.0	952.0	1502.0	1268.0	1790.0	2080.0	1120.0	1770.0	1182.0	956.0	1336.0	1168.0
A-100 11Kw	490.0	680.0	782.0	NA	648.0	554.0	770.0	883.0	471.0	735.0	628.0	874.0	1004.0	535.0	836.0	686.0	954.0	1096.0	584.0	914.0	782.0	1090.0	1252.0	668.0	1056.0	898.0	1260.0	1450.0	775.0	1224.0	1040.0	1464.0	1680.0	900.0	1408.0	1154.0	1606.0	1844.0	990.0	1562.0	1322.0	1864.0	2166.0	1164.0	1840.0	1230.0	994.0	1390.0	1214.0
A-100 15Kw	532.0	740.0	850.0	NA	704.0	602.0	836.0	962.0	512.0	798.0	683.0	950.0	1092.0	582.0	910.0	744.0	1038.0	1193.0	635.0	994.0	850.0	1186.0	1362.0	726.0	1148.0	974.0	1370.0	1576.0	842.0	1330.0	1130.0	1588.0	1826.0	978.0	1530.0	1254.0	1744.0	2004.0	1074.0	1698.0	1434.0	2024.0	2350.0	1264.0	1996.0	1336.0	1080.0	1510.0	1320.0
A-100 18.3Kw	561.0	780.0	895.0	476.0	743.0	634.0	882.0	1014.0	539.0	842.0	720.0	1002.0	1152.0	613.0	958.0	784.0	1094.0	1256.0	669.0	1046.0	896.0	1250.0	1435.0	766.0	1210.0	1026.0	1444.0	1658.0	886.0	1400.0	1190.0	1674.0	1922.0	1030.0	1612.0	1320.0	1836.0	2110.0	1132.0	1788.0	1508.0	2128.0	2476.0	1330.0	2102.0	1410.0	1138.0	1590.0	1388.0
A-109 9.3Kw	682.0	950.0	1090.0	NA	903.0	771.0	1073.0	1234.0	656.0	1025.0	875.0	1220.0	1400.0	746.0	1165.0	955.0	1332.0	1530.0	815.0	1274.0	1092.0	1522.0	1748.0	932.0	1474.0	1252.0	1760.0	2023.0	1080.0	1708.0	1452.0	2040.0	2345.0	1255.0	1965.0	1610.0	2240.0	2574.0	1378.0	2179.0	1870.0	2625.0	3020.0	1622.0	2561.0	1715.0	1387.0	1940.0	1690.0
A-109 11Kw	652.0	905.0	1040.0	NA	863.0	737.0	1024.0	1178.0	627.0	978.0	837.0	1165.0	1338.0	713.0	1113.0	913.0	1270.0	1459.0	778.0	1217.0	1041.0	1453.0	1670.0	890.0	1406.0	1196.0	1680.0	1930.0	1032.0	1630.0	1385.0	1950.0	2240.0	1200.0	1875.0	1538.0	2140.0	2455.0	1318.0	2081.0	1790.0	2510.0	2885.0	1550.0	2450.0	1639.0	1325.0	1853.0	1615.0
A-109 15Kw	617.0	858.0	985.0	NA	817.0	698.0	970.0	1115.0	593.0	927.0	793.0	1103.0	1265.0	675.0	1055.0	865.0	1203.0	1382.0	737.0	1153.0	988.0	1375.0	1580.0	843.0	1331.0	1133.0	1590.0	1830.0	978.0	1545.0	1314.0	1845.0	2121.0	1137.0	1778.0	1457.0	2025.0	2328.0	1250.0	1972.0	1693.0	2376.0	2735.0	1470.0	2330.0	1549.0	1253.0	1755.0	1530.0
A-109 18.3Kw	NA	787.0	902.0	NA	750.0	640.0	890.0	1022.0	NA	850.0	727.0	1012.0	1160.0	620.0	968.0	794.0	1104.0	1268.0	677.0	1058.0	907.0	1262.0	1450.0	775.0	1223.0	1038.0	1460.0	1675.0	898.0	1418.0	1206.0	1694.0	1945.0	1043.0	1631.0	1337.0	1860.0	2135.0	1148.0	1812.0	1556.0	2185.0	2508.0	1349.0	2130.0	1423.0	1150.0	1610.0	1405.0
A-109 22Kw	NA	748.0	858.0	NA	713.0	609.0	847.0	972.0	NA	809.0	692.0	962.0	1105.0	590.0	920.0	755.0	1050.0	1205.0	644.0	1006.0	862.0	1200.0	1378.0	737.0	1162.0	989.0	1389.0	1595.0	855.0	1349.0	1148.0	1610.0	1850.0	993.0	1552.0	1272.0	1765.0	2030.0	1092.0	1722.0	1480.0	2075.0	2385.0	1285.0	2025.0	1350.0	1095.0	1530.0	1337.0
A-118 11Kw	NA	978.0	1122.0	NA	932.0	796.0	1106.0	1268.0	NA	1056.0	904.0	1256.0	1444.0	771.0	1202.0	986.0	1370.0	1574.0	842.0	1314.0	1126.0	1566.0	1800.0	963.0	1518.0	1290.0	1814.0	2084.0	1116.0	1760.0	1496.0	2100.0	2414.0	1295.0	2025.0	1660.0	2308.0	2650.0	1424.0	2248.0	1934.0	2710.0	3110.0	1675.0	2645.0	1765.0	1430.0	1995.0	1745.0
A-118 15Kw	778.0	1080.0	1240.0	NA	1030.0	880.0	1222.0	1404.0	NA	1166.0	998.0	1390.0	1596.0	850.0	1330.0	1090.0	1516.0	1740.0	928.0	1452.0	1244.0	1732.0	1992.0	1062.0	1678.0	1426.0	2004.0	2302.0	1232.0	1945.0	1654.0	2300.0	2670.0	1430.0	2238.0	1836.0	2550.0	2930.0	1572.0	2485.0	2136.0	2994.0	3440.0	1850.0	2920.0	1950.0	1580.0	2210.0	1930.0
A-118 18.3Kw	822.0	1142.0	1310.0	NA	1088.0	930.0	1292.0	1482.0	790.0	1232.0	1054.0	1468.0	1684.0	898.0	1404.0	1150.0	1600.0	1838.0	980.0	1532.0	1314.0	1830.0	2104.0	1122.0	1772.0	1504.0	2118.0	2430.0	1300.0	2055.0	1745.0	2456.0	2820.0	1510.0	2365.0	1936.0	2696.0	3096.0	1660.0	2620.0	2250.0	3160.0	3630.0	1955.0	3085.0	2065.0	1670.0	2335.0	2035.0
A-118 22Kw	862.0	1198.0	1376.0	NA	1142.0	974.0	1356.0	1556.0	828.0	1294.0	1106.0	1542.0	1770.0	942.0	1472.0	1208.0	1682.0	1932.0	1030.0	1610.0	1380.0	1920.0	2208.0	1176.0	1860.0	1582.0	2222.0	2554.0	1365.0	2155.0	1834.0	2576.0	2960.0	1586.0	2480.0	2030.0	2828.0	3246.0	1740.0	2750.0	2364.0	3316.0	3810.0	2050.0	3235.0	2165.0	1750.0	2450.0	2135.0
A-118 30Kw	918.0	1278.0	1468.0	781.0	1216.0	1038.0	1446.0	1660.0	882.0	1378.0	1180.0	1642.0	1888.0	1004.0	1570.0	1286.0	1790.0	2056.0	1096.0	1714.0	1470.0	2046.0	2350.0	1254.0	1980.0	1684.0	2364.0	2718.0	1452.0	2295.0	1950.0	2740.0	3150.0	1686.0	2640.0	2160.0	3008.0	3458.0	1855.0	2930.0	2516.0	3530.0	4050.0	2180.0	3440.0	2305.0	1865.0	2605.0	2275.0
A-127 15 Kw	NA	1235.0	1418.0	NA	1178.0	1005.0	1398.0	1605.0	NA	1335.0	1143.0	1588.0	1825.0	974.0	1519.0	1247.0	1732.0	1990.0	1062.0	1660.0	1422.0	1980.0	2275.0	1217.0	1920.0	1630.0	2290.0	2635.0	1410.0	2226.0	1890.0	2655.0	3055.0	1638.0	2560.0	2100.0	2920.0	3350.0	1800.0	2840.0	2445.0	3425.0	3930.0	2120.0	3345.0	2230.0	1805.0	2525.0	2205.0
A-127 18.3 Kw	940.0	1305.0	1500.0	NA	1243.0	1063.0	1478.0	1695.0	NA	1410.0	1205.0	1678.0	1926.0	1027.0	1607.0	1315.0	1830.0	2105.0	1122.0	1753.0	1505.0	2092.0	2405.0	1285.0	2030.0	1725.0	2420.0	2780.0	1490.0	2353.0	1997.0	2805.0	3225.0	1730.0	2705.0	2215.0	3085.0	3545.0	1900.0	3005.0	2580.0	3620.0	4160.0	2240.0	3530.0	2360.0	1910.0	2670.0	2330.0
A-127 22 Kw	985.0	1370.0	1570.0	NA	1303.0	1113.0	1548.0	1777.0	947.0	1478.0	1264.0	1760.0	2019.0	1076.0	1681.0	1380.0	1921.0	2205.0	1175.0	1839.0	1575.0	2192.0	2520.0	1345.0	2125.0	1805.0	2535.0	2915.0	1558.0	2462.0	2091.0	2940.0	3380.0	1810.0	2835.0	2320.0	3230.0	3710.0	1990.0	3145.0	2705.0	3795.0	4350.0	2345.0	3700.0	2475.0	2000.0	2800.0	2440.0
A-127 30 Kw	1068.0	1485.0	1705.0	NA	1415.0	1208.0	1680.0	1930.0	1026.0	1602.0	1370.0	1910.0	2190.0	1166.0	1825.0	1496.0	2080.0	2390.0	1275.0	1992.0	1706.0	2376.0	2735.0	1458.0	2305.0	1955.0	2750.0	3160.0	1691.0	2670.0	2268.0	3190.0	3665.0	1963.0	3070.0	2515.0	3500.0	4020.0	2155.0	3410.0	2930.0	4110.0	4715.0	2540.0	4010.0	2680.0	2165.0	3030.0	2645.0
A-127 37 Kw	1125.0	1565.0	1795.0	955.0	1490.0	1270.0	1770.0	2035.0	1080.0	1688.0	1443.0	2010.0	2310.0	1230.0	1922.0	1574.0	2191.0	2522.0	1343.0	2098.0	1799.0	2505.0	2880.0	1535.0	2425.0	2060.0	2895.0	3325.0	1778.0	2812.0	2390.0	3355.0	3853.0	2065.0	3230.0	2650.0	3685.0	4230.0	2270.0	3583.0	3080.0	4320.0	4960.0	2670.0	4215.0	2825.0	2280.0	3190.0	2785.0
A-136 18.3Kw	NA	1475.0	1693.0	NA	1405.0	1200.0	1670.0	1915.0	NA	1595.0	1365.0	1897.0	2180.0	1163.0	1813.0	1487.0	2070.0	2375.0	1270.0	1983.0	1700.0	2365.0	2720.0	1453.0	2293.0	1950.0	2735.0	3145.0	1685.0	2655.0	2260.0	3175.0	3645.0	1955.0	3060.0	2505.0	3485.0	4000.0	2150.0	3395.0	2920.0	4090.0	4700.0	2530.0	3995.0	2665.0	2155.0	3015.0	2635.0
A-136 22Kw	NA	1545.0	1775.0	NA	1473.0	1260.0	1750.0	2010.0	NA	1670.0	1430.0	1990.0	2285.0	1217.0	1903.0	1560.0	2170.0	2495.0	1330.0	2080.0	1780.0	2480.0	2850.0	1523.0	2405.0	2040.0	2870.0	3300.0	1765.0	2785.0	2370.0	3330.0	3825.0	2050.0	3205.0	2630.0	3630.0	4200.0	2256.0	3360.0	3060.0	4290.0	4930.0	2655.0	4190.0	2794.0	2260.0	3165.0	2760.0
A-136 30Kw	1220.0	1695.0	1943.0	NA	1613.0	1377.0	1915.0	2200.0	1170.0	1827.0	1565.0	2175.0	2500.0	1330.0	2083.0	1705.0	2375.0	2730.0	1455.0	2275.0	1950.0	2715.0	3120.0	1665.0	2630.0	2235.0	3140.0	3610.0	1930.0	3045.0	2590.0	3640.0	4185.0	2240.0	3505.0	2875.0	4000.0	4595.0	2465.0	3890.0	3340.0	4690.0	5390.0	2900.0	4580.0	3060.0	2475.0	3460.0	3020.0
A-136 37Kw	1285.0	1785.0	2050.0	NA	1700.0	1453.0	2020.0	2320.0	1235.0	1930.0	1650.0	2295.0	2640.0	1405.0	2195.0	1800.0	2505.0	2880.0	1535.0	2400.0	2055.0	2865.0	3290.0	1755.0	2770.0	2355.0	3310.0	3805.0	2035.0	3215.0	2730.0	3840.0	4410.0	2360.0	3695.0	3030.0	4210.0	4840.0	2595.0	4105.0	3525.0	4950.0	5680.0	3058.0	4820.0	3230.0	2610.0	3650.0	3185.0
A-136 45Kw	1353.0	1885.0	2160.0	1149.0	1793.0	1530.0	2130.0	2445.0	1300.0	2030.0	1735.0	2420.0	2780.0	1480.0	2313.0	1895.0	2640.0	3030.0	1615.0	2525.0	2165.0	3015.0	3465.0	1845.0	2920.0	2480.0	3490.0	4005.0	2140.0	3385.0	2877.0	4040.0	4640.0	2485.0	3890.0	3190.0	4435.0	5095.0	2730.0	4315.0	3710.0	5205.0	5980.0	3215.0	5075.0	3400.0	2750.0	3840.0	3355.0
A-145 18.3Kw	NA	1720.0	1970.0	NA	1638.0	1400.0	1945.0	2230.0	NA	1855.0	1590.0	2205.0	2535.0	1355.0	2115.0	1730.0	2410.0	2770.0	1478.0	2310.0	1980.0	2750.0	3165.0	1690.0	2670.0	2265.0	3185.0	3660.0	1960.0	3095.0	2630.0	3695.0	4240.0	2280.0	3560.0	2915.0	4060.0	4660.0	2505.0	3950.0	3395.0	4760.0	5460.0	2950.0	4650.0	3100.0	2510.0	3510.0	3070.0
A-145 22Kw	NA	1815.0	2080.0	NA	1728.0	1475.0	2050.0	2355.0	NA	1958.0	1675.0	2330.0	2675.0	1428.0	2230.0	1825.0	2545.0	2920.0	1558.0	2435.0	2085.0	2905.0	3340.0	1785.0	2815.0	2390.0	3360.0	3865.0	2070.0	3265.0	2775.0	3900.0	4480.0	2405.0	3755.0	3075.0	4280.0	4920.0	2640.0	4170.0	3580.0	5030.0	5770.0	3110.0	4900.0	3280.0	2650.0	3710.0	3240.0
A-145 30Kw	1440.0	2000.0	2295.0	NA	1905.0	1625.0	2265.0	2600.0	1385.0	2160.0	1845.0	2570.0	2950.0	1575.0	2460.0	2015.0	2805.0	3220.0	1718.0	2685.0	2300.0	3205.0	3680.0	1965.0	3105.0	2635.0	3710.0	4260.0	2280.0	3595.0	3055.0	4300.0	4940.0	2645.0	4135.0	3395.0	4715.0	5420.0	2910.0	4590.0	3950.0	5540.0	6360.0	3425.0	5400.0	3610.0	2920.0	4090.0	3570.0
A-145 37Kw	1525.0	2115.0	2430.0	NA	2015.0	1720.0	2395.0	2750.0	1465.0	2285.0	1955.0	2720.0	3125.0	1665.0	2600.0	2130.0	2965.0	3410.0	1815.0	2840.0	2435.0	3390.0	3895.0	2080.0	3285.0	2790.0	3920.0	4505.0	2410.0	3805.0	3240.0	4545.0	5225.0	2800.0	4375.0	3585.0	4990.0	5730.0	3075.0	4860.0	4170.0	5850.0	6720.0	3620.0	5710.0	3820.0	3090.0	4320.0	3770.0
A-145 45Kw	1595.0	2220.0	2550.0	1355.0	2115.0	1805.0	2510.0	2885.0	1535.0	2395.0	2050.0	2855.0	3280.0	1745.0	2725.0	2235.0	3110.0	3575.0	1905.0	2980.0	2550.0	3555.0	4080.0	2180.0	3440.0	2925.0	4105.0	4720.0	2525.0	3990.0	3390.0	4760.0	5470.0	2930.0	4585.0	3755.0	5230.0	6000.0	3220.0	5090.0	4370.0	6130.0	7040.0	3790.0	5980.0	4010.0	3235.0	4530.0	3950.0
A-154 22Kw	NA	2025.0	2325.0	NA	1930.0	1650.0	2290.0	2630.0	NA	2187.0	1870.0	2605.0	2990.0	1595.0	2490.0	2040.0	2840.0	3260.0	1743.0	2720.0	2335.0	3245.0	3730.0	1995.0	3145.0	2675.0	3755.0	4310.0	2310.0	3650.0	3100.0	4355.0	5000.0	2685.0	4200.0	3440.0	4780.0	5490.0	2950.0	4660.0	4000.0	5610.0	6450.0	3475.0	5480.0	3660.0	2940.0	4140.0	3610.0
A-154 30Kw	NA	2230.0	2560.0	NA	2125.0	1815.0	2525.0	2900.0	NA	2410.0	2060.0	2865.0	3290.0	1755.0	2745.0	2245.0	3130.0	3590.0	1915.0	2995.0	2570.0	3575.0	4110.0	2195.0	3465.0	2945.0	4135.0	4750.0	2545.0	4015.0	3410.0	4800.0	5510.0	2955.0	4620.0	3785.0	5270.0	6050.0	3245.0	5130.0	4410.0	6180.0	7100.0	3820.0	6030.0	4030.0	3260.0	4560.0	3980.0
A-154 37Kw	1690.0	2350.0	2695.0	NA	2235.0	1910.0	2655.0	3050.0	1623.0	2535.0	2165.0	3020.0	3465.0	1845.0	2885.0	2365.0	3290.0	3780.0	2015.0	3155.0	2705.0	3760.0	4320.0	2310.0	3645.0	3095.0	4350.0	5000.0	2675.0	4225.0	3590.0	5050.0	5800.0	3105.0	4860.0	3980.0	5540.0	6360.0	3415.0	5390.0	4630.0	6500.0	7470.0	4020.0	6350.0	4240.0	3430.0	4800.0	4190.0
A-154 45Kw	1770.0	2465.0	2830.0	NA	2345.0	2000.0	2785.0	3200.0	1703.0	2660.0	2270.0	3165.0	3635.0	1935.0	3025.0	2480.0	3450.0	3970.0	2115.0	3305.0	2830.0	3940.0	4530.0	2420.0	3820.0	3245.0	4560.0	5240.0	2800.0	4430.0	3760.0	5285.0	6080.0	3255.0	5090.0	4107.0	5810.0	6670.0	3580.0	5650.0	4860.0	6820.0	7870.0	4210.0	6650.0	4450.0	3600.0	5030.0	4390.0
A-154 55Kw	1875.0	2605.0	2990.0	1590.0	2480.0	2115.0	2945.0	3380.0	1800.0	2810.0	2405.0	3345.0	3845.0	2045.0	3200.0	2620.0	3650.0	4190.0	2235.0	3495.0	2995.0	4170.0	4790.0	2555.0	4040.0	3430.0	4820.0	5540.0	2960.0	4680.0	3980.0	5590.0	6420.0	3440.0	5380.0	4405.0	6140.0	7050.0	3780.0	5970.0	5130.0	7190.0	8270.0	4450.0	7020.0	4700.0	3800.0	5310.0	4640.0
A-163 22 Kw	NA	2190.0	2515.0	NA	2088.0	NA	2480.0	2845.0	NA	2365.0	2025.0	2815.0	3235.0	NA	2695.0	2210.0	3070.0	3530.0	1885.0	2945.0	2525.0	3510.0	4035.0	2160.0	3400.0	2890.0	4060.0	4660.0	2500.0	3945.0	3355.0	4710.0	5405.0	2905.0	4546.0	3720.0	5170.0	5940.0	3195.0	5040.0	4330.0	6070.0	6960.0	3760.0	5930.0	3950.0	3200.0	4470.0	3910.0
A-163 30 Kw	NA	2420.0	2776.0	NA	2305.0	1865.0	2735.0	3140.0	NA	2610.0	2235.0	3110.0	3570.0	1905.0	2975.0	2435.0	3390.0	3890.0	2080.0	3250.0	2785.0	3875.0	4455.0	2380.0	3755.0	3190.0	4480.0	5150.0	2760.0	4350.0	3700.0	5200.0	5975.0	3205.0	5010.0	4110.0	5710.0	6555.0	3520.0	5560.0	4780.0	6700.0	7700.0	4150.0	6540.0	4370.0	3540.0	4940.0	4310.0
A-163 37 Kw	1848.0	2565.0	2945.0	NA	2445.0	2085.0	2905.0	3330.0	NA	2770.0	2370.0	3300.0	3785.0	2020.0	3155.0	2585.0	3595.0	4135.0	2205.0	3445.0	2950.0	4115.0	4730.0	2525.0	3985.0	3385.0	4760.0	5460.0	2925.0	4620.0	3930.0	5520.0	6340.0	3400.0	5310.0	4350.0	6060.0	6960.0	3735.0	5900.0	5070.0	7110.0	8160.0	4400.0	6945.0	4640.0	3750.0	5250.0	4580.0
A-163 45 Kw	1935.0	2665.0	3085.0	NA	2560.0	2183.0	3040.0	3490.0	1860.0	2902.0	2480.0	3455.0	3970.0	2115.0	3305.0	2705.0	3765.0	4330.0	2310.0	3610.0	3090.0	4305.0	4950.0	2640.0	4170.0	3540.0	4980.0	5720.0	3060.0	4835.0	4110.0	5780.0	6640.0	3555.0	5560.0	4560.0	6340.0	7280.0	3910.0	6170.0	5300.0	7440.0	8550.0	4600.0	7260.0	4850.0	3930.0	5490.0	4800.0
A-163 55 Kw	2050.0	2850.0	3268.0	NA	2720.0	2315.0	3220.0	3700.0	1970.0	3075.0	2630.0	3660.0	4205.0	2239.0	3500.0	2865.0	3995.0	4590.0	2445.0	3825.0	3275.0	4560.0	5245.0	2795.0	4420.0	3750.0	5280.0	6060.0	3240.0	5120.0	4350.0	6120.0	7025.0	3765.0	5890.0	4830.0	6710.0	7710.0	4140.0	6540.0	5610.0	7874.0	9050.0	4870.0	7690.0	5140.0	4160.0	5810.0	5080.0
A-172 30Kw	NA	2755.0	3165.0	NA	2628.0	2245.0	3120.0	3580.0	NA	2980.0	2545.0	3545.0	4070.0	2175.0	3390.0	2780.0	3870.0	4440.0	2370.0	3705.0	3180.0	4420.0	2715.0	2715.0	4280.0	3640.0	5110.0	5870.0	3145.0	4965.0	4220.0	5930.0	8685.0	3655.0	5710.0	4680.0	6510.0	7470.0	4022.0	6335.0	5442.0	7650.0	8782.0	4725.0	7455.0	4980.0	4030.0	5630.0	4928.0
A-172 37Kw	2108.0	2925.0	3360.0	NA	2790.0	2380.0	3310.0	3798.0	NA	3162.0	2705.0	3760.0	4316.0	2305.0	3600.0	2950.0	4100.0	4710.0	2515.0	3930.0	3370.0	4690.0	2880.0	2880.0	4545.0	3860.0	5430.0	6240.0	3335.0	5270.0	4480.0	6290.0	8040.0	3880.0	6060.0	4960.0	7250.0	7935.0	4260.0	6732.0	5772.0	8100.0	9300.0	5010.0	7915.0	5289.0	4280.0	5980.0	5215.0
A-172 45Kw	2212.0	3080.0	3530.0	NA	2930.0	2500.0	3484.0	4000.0	2130.0	3320.0	2842.0	3950.0	4547.0	2420.0	3780.0	3100.0	4310.0	4950.0	2640.0	4130.0	3540.0	4930.0	3025.0	3025.0	4780.0	4060.0	5700.0	6550.0	3505.0	5535.0	4710.0	6610.0	7590.0	4070.0	6365.0	5220.0	7680.0	8340.0	4475.0	7062.0	6065.0	8520.0	9780.0	5270.0	8319.0	5565.0	4500.0	6280.0	5490.0
A-172 55Kw	2350.0	3260.0	3740.0	NA	3105.0	2650.0	3685.0	4241.0	2256.0	3520.0	3012.0	4186.0	4815.0	2565.0	4010.0	3280.0	4570.0	5250.0	2800.0	4380.0	3750.0	5220.0	3200.0	3200.0	5060.0	4295.0	6040.0	6950.0	3710.0	5860.0	4980.0	7010.0	7220.0	4310.0	6744.0	5520.0	8300.0	8822.0	4735.0	7480.0	6430.0	9020.0	10360.0	5575.0	8810.0	5898.0	4762.0	6652.0	5810.0
A-172 75Kw	2535.0	3530.0	4050.0	2150.0	3355.0	2865.0	3990.0	4580.0	2435.0	3808.0	3212.0	4525.0	5210.0	2770.0	4330.0	3550.0	4940.0	5680.0	3020.0	4730.0	4050.0	5650.0	3460.0	3455.0	5466.0	4650.0	6530.0	7498.0	4005.0	6330.0	5380.0	7565.0	6810.0	4660.0	7280.0	5970.0	7470.0	9525.0	5110.0	8075.0	6935.0	9750.0	11170.0	6025.0	9505.0	6360.0	5145.0	7200.0	6275.0
A-181 37Kw	NA	3825.0	4388.0	NA	3650.0	3115.0	4325.0	4970.0	NA	4135.0	3535.0	4915.0	5645.0	NA	4712.0	3860.0	5365.0	6159.0	3298.0	5140.0	4410.0	6130.0	7038.0	3770.0	5952.0	5055.0	7090.0	8150.0	4370.0	6888.0	5865.0	8219.0	9450.0	5080.0	7925.0	6499.0	9025.0	10385.0	5574.0	8800.0	7555.0	10595.0	12165.0	6565.0	10350.0	6910.0	5605.0	7810.0	6830.0
A-181 45Kw	NA	4080.0	4680.0	NA	3890.0	3321.0	4612.0	5305.0	NA	4405.0	3768.0	5240.0	6025.0	3215.0	5023.0	4110.0	5718.0	6580.0	3510.0	5480.0	4699.0	6548.0	7510.0	4021.0	6335.0	5385.0	7566.0	8690.0	4655.0	7345.0	6245.0	8768.0	10075.0	5410.0	8450.0	6935.0	9624.0	11060.0	5950.0	9380.0	8065.0	11300.0	12975.0	7005.0	11050.0	7370.0	5960.0	8330.0	7280.0
A-181 55Kw	3098.0	4305.0	4947.0	NA	4100.0	3498.0	4865.0	5590.0	NA	4645.0	3981.0	5530.0	6350.0	3393.0	5288.0	4335.0	6038.0	6935.0	3699.0	5780.0	4955.0	6900.0	7919.0	4235.0	6680.0	5680.0	7975.0	9160.0	4902.0	7750.0	6580.0	9250.0	10632.0	5695.0	8910.0	7305.0	10150.0	11659.0	6260.0	9890.0	8495.0	11915.0	13700.0	7375.0	11650.0	7770.0	6295.0	8800.0	7680.0
A-181 75Kw	3365.0	4688.0	5370.0	NA	4455.0	3810.0	5302.0	6075.0	3235.0	5050.0	4325.0	6015.0	6903.0	3680.0	5752.0	4710.0	6571.0	7535.0	4024.0	6289.0	5380.0	7500.0	8608.0	4599.0	7265.0	6165.0	8665.0	9960.0	5330.0	8412.0	7150.0	10050.0	11552.0	6195.0	9680.0	7925.0	11025.0	12680.0	6798.0	10750.0	9228.0	12955.0	14885.0	8000.0	12630.0	8450.0	6830.0	9555.0	8350.0
A-181 100Kw	3590.0	4992.0	5732.0	3050.0	4761.0	4055.0	5652.0	6490.0	3450.0	5388.0	4608.0	6422.0	7365.0	3925.0	6132.0	5030.0	6995.0	8040.0	4280.0	6700.0	5738.0	7990.0	9180.0	4898.0	7745.0	6582.0	9240.0	10640.0	5675.0	8970.0	7621.0	10715.0	12305.0	6599.0	10315.0	8450.0	11752.0	13500.0	7255.0	11445.0	9825.0	13790.0	15835.0	8525.0	13450.0	9030.0	7280.0	10190.0	8905.0
A-190 45Kw	4950.0	6885.0	7900.0	4195.0	6550.0	5590.0	7770.0	8930.0	4753.0	7420.0	6340.0	8835.0	10155.0	5400.0	8453.0	6925.0	9630.0	11080.0	5900.0	9234.0	7910.0	11000.0	12660.0	6750.0	10660.0	9068.0	12730.0	14640.0	7825.0	4800.0	10495.0	14740.0	16960.0	9070.0	14200.0	11640.0	16200.0	18600.0	9970.0	16050.0	13780.0	19000.0	21830.0	11750.0	18520.0	12410.0	10025.0	14045.0	12260.0
A-190 55Kw	4500.0	6260.0	7190.0	NA	5960.0	5090.0	7080.0	8140.0	4325.0	6760.0	5780.0	8040.0	9250.0	4925.0	7690.0	6310.0	8785.0	10080.0	5380.0	8400.0	7210.0	10030.0	11530.0	6155.0	9724.0	8250.0	11600.0	13330.0	7130.0	4395.0	9560.0	13440.0	15460.0	8280.0	12950.0	10620.0	14750.0	16976.0	9110.0	14385.0	12340.0	17345.0	19880.0	10700.0	16900.0	11300.0	9150.0	12780.0	11160.0
A-190 75Kw	4210.0	5850.0	6710.0	NA	5570.0	4760.0	6620.0	7610.0	NA	6325.0	5410.0	7520.0	8635.0	4610.0	7200.0	5895.0	8215.0	9430.0	5030.0	7860.0	6740.0	9380.0	10785.0	5762.0	9090.0	7720.0	10840.0	12450.0	6670.0	4116.0	8960.0	12590.0	14465.0	7758.0	12120.0	9930.0	13810.0	15850.0	8510.0	13460.0	11540.0	16230.0	18635.0	10030.0	15835.0	10580.0	8560.0	11950.0	10458.0
A-190 100Kw	NA	5360.0	6150.0	NA	5110.0	4370.0	6065.0	6970.0	NA	5790.0	4960.0	6900.0	7920.0	4230.0	6600.0	5410.0	7520.0	8650.0	4620.0	7210.0	6182.0	8600.0	9880.0	5285.0	8340.0	7090.0	9955.0	11435.0	6120.0	NA	8220.0	11545.0	13255.0	7120.0	11122.0	9110.0	12670.0	14555.0	7810.0	12330.0	10595.0	14880.0	17080.0	9200.0	14525.0	9680.0	7845.0	10950.0	9570.0
A-190 135Kw	NA	5050.0	5790.0	NA	4815.0	4117.0	5715.0	6570.0	NA	5455.0	4670.0	6490.0	7450.0	NA	6215.0	5095.0	7085.0	8120.0	4350.0	6790.0	5820.0	8097.0	9280.0	4975.0	7845.0	6670.0	9350.0	10740.0	5770.0	NA	7730.0	10840.0	12470.0	6700.0	10460.0	8580.0	11920.0	13690.0	7360.0	11616.0	9980.0	13990.0	16050.0	8660.0	13665.0	9126.0	7390.0	10320.0	9000.0

Advance Series A Revision 5

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	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	35.00	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 No. All Single Cell A-37 to A-109																																																	
1A37ECMEDIUM	NA	20.10	23.10	NA	19.07	16.77	22.70	26.20	NA	21.45	18.30	25.80	29.70	NA	24.70	20.20	28.20	32.45	17.05	26.90	23.00	32.25	37.10	19.50	31.10	26.30	37.30	42.80	22.50	35.95	30.40	43.20	49.80	26.25	41.50	33.80	47.50	54.65	28.90	46.25	37.30	55.80	64.00	33.95	54.35	36.00	29.40	41.20	35.80
1A37ECSTANDARD	17.15	23.88	27.50	NA	22.63	19.25	27.00	31.10	NA	25.90	22.10	30.80	35.50	18.60	29.40	24.10	33.70	38.80	20.55	32.20	27.45	38.10	44.00	23.50	37.30	31.60	44.40	51.25	27.00	43.20	36.55	51.70	59.40	31.60	49.80	40.50	56.60	65.10	34.65	55.20	47.10	66.60	76.50	40.70	64.90	43.30	34.70	49.10	42.60
1A46ECLOW	NA	28.80	33.10	NA	27.45	NA	32.40	37.25	NA	30.90	26.40	36.85	42.40	NA	35.25	28.80	40.25	45.80	NA	38.55	33.00	45.90	52.85	28.15	44.50	37.70	53.30	61.00	32.85	51.70	43.80	61.50	71.00	38.00	59.35	46.50	67.30	77.60	41.70	65.60	56.40	79.00	91.00	49.20	77.20	51.80	41.80	58.50	51.00
1A46ECMEDIUM	25.20	34.90	40.00	NA	33.30	28.40	39.50	45.40	NA	37.70	32.20	44.90	51.50	27.50	42.80	35.10	48.80	56.20	30.00	46.80	40.10	55.80	64.20	34.30	54.20	46.00	64.65	74.20	39.65	62.70	53.30	74.80	85.80	46.10	72.20	59.00	82.10	94.20	50.50	79.80	68.50	96.30	110.40	59.60	93.90	63.00	50.90	71.00	62.20
1A46ECSTANDARD	29.15	40.50	46.50	NA	38.55	32.90	45.75	52.50	28.00	43.70	37.40	51.90	59.60	31.80	49.70	40.70	56.70	65.00	34.70	54.20	46.50	64.70	74.20	39.60	62.60	53.20	74.75	85.80	45.90	72.50	61.60	86.50	99.50	53.35	83.30	68.30	94.70	108.70	58.50	92.30	79.50	111.00	127.50	68.90	108.40	73.00	58.90	82.20	71.80
1A55ECLOW	NA	34.70	39.70	NA	32.90	28.10	39.15	45.00	NA	37.40	31.90	44.60	51.00	27.30	42.60	34.90	48.60	55.70	29.85	46.50	39.80	55.40	63.60	34.15	53.80	45.60	64.20	73.40	39.60	62.30	52.80	74.30	85.20	45.80	71.50	58.50	81.40	93.40	50.40	79.50	68.10	95.50	109.40	56.60	93.20	62.20	50.60	70.40	61.60
1A55ECMEDIUM	30.80	42.70	49.00	26.15	40.70	34.65	48.25	55.30	29.60	45.95	39.50	54.80	62.95	33.50	52.50	42.90	59.80	68.70	36.70	57.30	49.10	68.40	78.60	42.00	66.20	56.30	79.00	90.80	48.60	76.70	65.40	91.50	105.00	56.40	88.20	72.30	100.40	115.20	62.20	97.90	69.60	117.80	135.10	73.00	115.00	77.00	62.40	87.20	76.00
1A55ECSTANDARD	38.30	53.10	61.00	32.50	50.60	43.20	60.10	69.00	36.70	57.30	49.00	68.20	78.30	41.80	65.20	53.50	74.50	85.40	45.60	71.20	61.00	84.90	97.50	52.10	82.20	69.90	98.20	112.60	60.40	95.20	81.00	113.60	130.30	70.00	109.40	89.70	124.50	142.90	76.95	121.20	104.20	146.00	167.40	90.40	142.40	95.70	77.40	108.00	94.40
1A64ECLOW	33.00	45.80	52.50	28.10	43.60	37.20	51.80	59.40	31.70	49.40	42.20	58.80	67.40	36.10	56.30	46.10	64.10	73.50	39.40	61.40	52.60	73.20	84.00	45.00	70.90	60.30	84.70	97.10	52.20	82.20	70.00	97.90	112.50	60.60	94.60	77.50	107.60	123.40	66.60	104.90	90.10	126.30	144.90	78.40	123.00	82.30	66.80	93.20	81.30
1A64ECMEDIUM	42.70	59.30	67.90	36.20	56.40	48.10	66.90	76.80	41.00	63.90	54.70	76.00	87.40	46.60	72.70	79.80	83.00	95.30	50.80	79.50	68.00	94.70	108.80	58.20	91.80	78.10	109.40	125.70	67.40	106.20	90.50	126.70	145.60	78.30	122.20	100.20	139.00	159.70	86.00	135.60	116.50	163.20	187.50	101.20	159.20	106.80	86.50	120.50	105.30
1A64ECSTANDARD	47.10	65.50	75.10	40.00	62.30	53.20	74.10	85.00	45.20	70.60	60.30	84.00	23.00	51.40	80.30	65.80	91.70	105.20	56.10	87.70	75.00	104.50	120.20	64.10	101.20	86.00	120.80	138.80	74.30	117.20	99.80	139.80	160.60	86.20	134.80	110.50	153.50	176.00	94.80	149.20	128.50	179.80	206.30	111.30	174.40	118.00	95.20	133.00	116.20
1A73ECLOW	44.90	62.40	71.50	38.20	59.40	50.70	70.40	80.80	43.20	67.20	57.60	80.00	92.00	49.10	76.60	62.80	87.40	100.20	53.60	83.60	71.80	99.60	114.40	61.40	96.60	82.20	115.20	132.40	71.00	112.00	95.30	133.50	153.50	82.50	128.80	105.60	146.50	168.00	90.70	142.80	122.80	172.00	197.20	106.80	168.00	112.20	91.00	127.00	111.00
1A73ECMEDIUM	57.50	80.00	91.80	48.90	76.20	65.00	90.40	103.80	55.30	86.30	73.80	102.60	118.00	62.90	98.20	80.50	112.00	128.50	68.60	107.20	91.80	128.00	146.80	78.40	123.80	105.40	147.80	169.60	91.00	143.40	122.00	171.00	196.50	105.50	165.00	135.20	187.80	215.40	116.00	182.80	157.20	220.00	252.40	136.50	214.80	144.00	116.60	162.60	142.20
1A73ECSTANDARD	63.20	87.80	100.80	53.60	83.50	71.30	99.20	114.00	60.70	94.70	81.00	112.60	129.40	69.00	107.80	68.30	122.80	141.00	75.20	117.60	100.80	140.20	161.00	86.00	135.80	115.50	162.00	186.00	99.60	157.20	133.80	187.50	215.20	115.60	180.50	148.20	205.60	236.00	127.00	200.20	172.00	241.00	276.40	149.50	235.00	158.00	127.80	178.50	155.80
1A82ECLOW	NA	66.80	74.50	NA	57.30	NA	74.50	85.30	NA	71.20	60.90	84.50	97.00	52.00	80.90	66.40	92.20	105.80	56.85	88.50	75.85	105.50	121.00	64.80	102.20	87.00	121.70	140.00	75.25	118.50	100.75	141.25	162.00	87.25	136.25	111.75	154.75	177.50	96.00	151.00	130.00	181.00	208.00	113.00	177.40	118.50	96.00	134.00	117.20
1A82ECMEDIUM	68.10	94.50	108.50	57.80	90.10	76.90	107.00	122.80	65.40	102.00	87.20	121.50	139.50	74.10	117.00	95.00	132.40	151.90	81.20	126.70	108.60	151.00	174.10	92.80	146.50	124.50	174.50	200.50	107.50	169.50	144.25	202.25	232.50	124.75	195.00	160.00	221.75	254.75	137.00	216.00	186.00	260.00	298.50	161.00	253.50	170.50	137.50	192.50	168.00
1A82ECSTANDARD	73.80	102.70	117.80	62.60	97.65	83.50	116.00	133.30	70.80	110.60	94.60	131.80	151.40	80.00	125.00	103.10	143.70	164.90	88.00	137.40	117.80	164.00	188.00	100.50	158.80	135.00	189.50	217.50	116.50	183.50	156.00	219.00	251.50	135.00	211.00	173.25	240.00	276.00	148.25	233.75	201.00	281.50	323.00	174.50	274.50	184.00	149.00	208.50	182.00
1A91ECLOW	NA	87.40	100.20	NA	83.40	71.20	98.80	113.50	NA	94.50	80.80	112.30	129.00	69.00	107.50	88.20	122.40	140.60	75.30	117.40	100.60	139.80	160.80	86.20	135.60	115.40	161.60	185.80	99.80	157.20	133.60	187.40	215.00	116.00	180.60	148.20	205.50	236.00	127.20	200.50	172.50	241.20	276.80	149.80	235.50	157.50	127.60	178.00	156.00
1A91ECMEDIUM	75.60	105.00	120.50	NA	100.00	85.40	118.70	136.30	72.70	113.40	97.00	135.00	154.80	82.60	129.00	105.80	147.00	169.00	90.20	140.80	120.80	168.00	193.00	103.20	162.60	138.20	194.00	222.80	119.50	188.40	160.20	225.00	258.00	138.60	216.50	177.60	246.60	283.00	152.40	240.20	206.50	289.40	332.00	179.40	282.20	189.20	153.00	214.00	187.00
1A91ECSTANDARD	85.00	118.00	135.50	72.00	112.20	95.80	133.20	153.00	81.50	127.20	108.80	151.20	173.80	92.60	144.60	118.50	165.00	189.40	101.00	158.00	135.60	188.40	216.20	115.60	182.40	155.00	217.60	249.80	134.00	211.20	179.50	252.00	289.00	155.40	242.50	199.00	276.40	317.00	170.50	269.00	231.00	324.00	371.40	200.50	315.60	212.20	171.60	239.40	209.20
1A100ECLOW	100.60	139.60	160.40	NA	133.00	113.80	158.00	181.20	96.80	150.80	129.00	179.40	206.00	110.00	171.60	140.80	195.50	224.60	120.00	187.50	160.80	223.40	256.80	137.20	216.40	184.00	258.20	296.40	159.00	250.80	213.50	299.00	344.00	184.50	288.40	236.20	328.00	377.00	203.00	320.00	275.00	385.00	441.50	238.80	375.60	251.80	204.00	284.40	248.80
1A100ECMEDIUM	111.00	154.40	176.80	94.20	146.80	125.40	174.50	200.00	106.60	166.40	142.50	198.00	227.40	121.30	189.20	155.00	216.00	248.00	132.20	206.80	177.00	246.50	282.80	151.40	238.80	202.80	284.80	327.00	175.00	276.40	235.00	330.00	378.40	203.50	317.40	260.20	362.00	415.00	223.60	352.00	303.00	424.00	486.00	262.50	414.00	278.00	224.40	314.00	274.00
1A100ECSTANDARD	119.80	166.40	191.00	101.60	158.50	135.20	188.00	216.00	115.00	179.50	153.40	213.80	245.00	130.60	204.00	167.40	233.00	267.20	142.50	222.80	191.00	266.00	305.00	163.00	257.20	218.50	306.80	352.20	188.80	298.00	253.20	355.40	408.00	219.00	342.00	280.40	390.00	447.00	240.40	379.00	325.80	456.40	524.00	282.80	444.80	300.00	242.00	338.00	295.00
1A109ECLOW	125.80	174.80	200.20	NA	166.50	142.20	197.50	226.80	121.00	188.50	161.50	224.50	257.80	137.50	214.50	175.80	244.40	281.10	150.00	234.50	200.80	279.50	320.80	171.80	271.00	230.00	323.00	371.00	199.00	314.00	371.00	374.70	430.00	231.00	360.80	296.00	411.00	472.00	253.80	400.00	343.80	482.00	553.00	298.50	460.00	315.00	254.80	356.00	311.00
1A109ECMEDIUM	142.50	198.00	227.00	121.00	188.50	161.00	224.00	257.00	137.00	213.80	182.50	254.00	292.00	155.80	243.00	199.00	277.00	318.00	170.00	265.50	227.50	316.50	363.50	194.50	306.80	259.00	366.00	419.50	225.00	355.00	302.00	424.00	486.00	261.00	408.00	335.00	465.00	533.00	287.00	452.00	389.00	545.00	625.00	337.50	531.00	357.00	289.00	403.00	352.00
1A109ECSTANDARD	156.00	217.00	249.00	132.50	206.50	176.50	245.00	281.50	149.80	234.00	200.00	278.00	319.50	170.30	266.00	218.00	303.80	348.50	186.00	290.50	249.30	346.00	398.00	212.50	335.50	285.00	400.00	459.50	246.20	388.20	330.00	463.00	532.00	285.50	446.00	366.20	508.00	582.50	313.50	494.00	425.00	595.00	682.00	369.00	580.00	390.00	316.00	441.00	385.00

Advance Series A Revision 5

Condition Reference #	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00	31.00	32.00	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00	41.00	42.00	43.00	44.00	45.00	46.00	47.00	48.00	49.00
Wet Bulb °C	10.00	10.00	10.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	16.00	16.00	16.00	16.00	16.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	21.00	21.00	21.00	24.00	24.00	24.00	24.00	24.00	27.00	27.00	27.00	27.00	27.00	29.00	29.00	29.00	29.00	29.00	32.00	32.00	32.20	32.20	32.20	21.00	25.56	27.00	28.00
Range °C	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	5.00	5.56	5.00	5.00
Approach °C	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	6.00	3.89	5.00	4.00
Inlet Water Temperature °C	20.00	22.00	23.00	22.00	25.00	23.00	25.00	26.00	25.00	28.00	26.00	28.00	29.00	28.00	31.00	28.00	30.00	31.00	30.00	33.00	31.00	33.00	34.00	33.00	36.00	34.00	36.00	37.00	36.00	39.00	37.00	39.00	40.00	39.00	42.00	39.00	41.00	42.00	41.00	44.00	42.20	44.20	45.20	44.20	47.20	32.00	35.00	37.00	37.00
Outlet Water Temperature °C	14.00	16.00	17.00	14.00	17.00	17.00	19.00	20.00	17.00	20.00	20.00	22.00	23.00	20.00	23.00	22.00	24.00	25.00	22.00	25.00	25.00	27.00	28.00	25.00	28.00	28.00	30.00	31.00	28.00	31.00	31.00	33.00	34.00	31.00	34.00	33.00	35.00	36.00	33.00	36.00	36.20	38.20	39.20	36.20	39.20	27.00	29.44	32.00	32.00
Model No. All Twin Cell A-37 to A-109																																																	
2A37ECMEDIUM	NA	38.60	44.35	NA	36.70	NA	43.65	50.25	NA	41.60	35.60	49.75	57.10	NA	47.50	38.85	54.25	62.25	NA	51.90	44.35	62.00	71.25	37.85	60.10	57.00	71.75	82.50	43.95	69.65	59.00	83.25	95.75	51.00	80.10	65.50	91.50	105.00	56.00	88.80	76.25	107.25	123.25	66.25	104.50	69.75	56.40	79.00	69.00
2A37ECSTANDARD	NA	46.30	53.25	NA	44.00	37.60	52.35	60.25	NA	50.00	42.65	59.60	68.50	36.25	56.85	46.60	65.00	74.75	39.65	62.25	53.25	74.25	85.50	45.40	72.00	61.00	86.00	99.00	52.50	83.35	70.75	99.75	114.75	67.10	96.00	78.50	109.50	126.00	67.25	106.50	91.50	128.75	148.00	79.10	125.50	84.00	67.50	94.75	82.75
2A46ECLOW	NA	55.15	63.25	NA	52.50	NA	62.35	71.60	NA	59.50	50.90	70.80	81.25	NA	67.75	55.50	77.25	88.75	NA	74.20	63.50	88.25	101.25	54.30	85.60	72.75	102.00	117.25	63.00	99.25	84.30	118.25	135.75	73.00	114.00	93.50	130.00	149.00	80.25	126.75	108.75	152.50	175.00	94.75	148.50	99.25	80.50	112.50	98.25
2A46ECMEDIUM	NA	67.40	77.25	NA	64.20	54.75	76.25	87.50	NA	72.75	62.25	86.50	99.25	53.00	82.75	67.75	94.25	108.25	57.80	90.30	77.50	107.75	123.75	66.20	104.50	88.75	124.50	143.00	76.75	121.00	103.00	144.50	165.75	89.00	139.25	114.00	158.50	182.00	97.75	154.25	132.50	186.00	213.50	115.00	181.50	121.50	98.25	137.25	120.00
2A46ECSTANDARD	56.40	78.50	90.00	NA	74.70	63.75	88.75	101.75	54.20	84.70	72.25	100.75	115.75	61.60	96.25	79.00	109.75	126.00	67.25	105.00	90.00	125.25	144.00	77.00	121.50	103.25	144.75	166.25	89.00	140.50	119.50	167.75	192.50	103.25	161.50	132.50	184.00	211.25	113.50	179.00	154.00	215.50	247.50	133.50	210.25	141.25	114.25	159.75	139.50
2A55ECLOW	NA	65.75	75.25	NA	62.50	53.50	74.25	85.00	NA	70.80	60.75	84.25	166.25	51.75	80.75	66.00	92.00	105.50	56.50	88.25	75.70	105.00	207.00	64.70	101.75	86.50	121.25	139.25	74.85	118.00	100.25	140.50	161.25	87.00	135.50	111.25	154.25	95.50	150.50	129.00	181.00	207.00	207.00	112.25	176.75	118.00	95.75	133.50	116.75
2A55ECMEDIUM	58.50	81.25	93.25	NA	77.40	66.00	92.00	105.50	56.25	87.75	75.00	104.25	139.00	64.00	99.75	81.75	113.75	130.75	69.80	109.00	93.50	130.00	173.50	80.00	126.00	107.00	150.50	172.75	92.50	146.00	124.00	174.50	200.00	107.50	168.00	137.75	219.50	118.25	186.50	160.00	224.75	258.00	258.00	139.00	219.00	146.00	118.50	165.50	144.75
2A55ECSTANDARD	73.25	102.00	117.00	62.25	97.00	82.75	115.25	132.50	70.50	110.00	94.00	130.75	106.25	80.00	125.25	102.50	142.75	163.75	87.50	136.50	117.00	163.00	132.50	100.00	157.75	134.00	188.25	216.25	115.70	182.75	155.25	218.00	250.50	134.50	210.00	172.25	275.00	147.75	233.00	200.00	280.50	322.00	322.00	173.75	273.50	183.50	148.50	207.00	181.50
2A64ECLOW	64.00	88.75	102.00	54.40	84.50	72.25	100.50	115.25	61.60	96.00	82.00	114.00	131.00	70.00	109.25	89.50	124.50	142.75	76.50	119.25	102.25	142.25	163.25	87.50	137.75	117.00	164.50	188.50	101.25	159.75	136.00	190.50	218.50	117.50	183.50	150.50	209.00	240.00	129.25	203.75	175.00	245.00	281.00	152.00	239.00	160.00	129.50	181.00	158.00
2A64ECMEDIUM	92.00	115.50	132.50	70.50	110.00	93.75	130.50	149.75	79.75	124.50	106.50	148.25	170.25	90.75	141.75	116.25	161.75	185.50	99.00	154.75	132.75	184.75	212.25	113.50	178.75	152.00	213.75	245.25	131.25	207.25	176.25	247.50	284.25	152.50	238.50	195.50	271.25	311.50	167.50	264.50	227.00	318.50	365.00	197.00	310.50	208.00	168.50	235.50	205.50
2A64ECSTANDARD	83.00	128.00	146.75	78.00	121.75	103.75	144.50	166.00	88.25	137.75	117.75	164.25	188.50	100.50	157.00	128.50	179.00	205.50	109.50	171.25	146.75	204.50	235.00	125.25	198.00	168.00	236.50	271.50	145.25	229.00	194.75	273.50	314.25	168.50	263.50	216.00	300.25	344.50	185.00	292.00	251.00	352.00	404.00	218.00	343.00	230.50	186.50	260.00	227.00
2A73ECLOW	86.70	120.00	138.00	NA	114.50	97.80	136.00	156.00	83.40	129.80	111.00	154.30	177.50	94.80	147.80	121.00	168.50	193.50	103.60	161.30	138.50	192.50	221.00	118.50	186.50	158.50	222.50	255.50	137.00	216.00	184.00	258.00	295.50	159.50	248.50	204.00	283.00	324.00	175.30	275.50	237.00	332.00	380.00	206.00	324.00	216.50	175.50	245.00	214.50
2A73ECMEDIUM	111.50	155.00	177.80	94.80	147.50	126.00	175.30	201.10	107.30	167.30	143.00	199.00	228.50	121.80	190.50	156.00	217.00	249.50	133.00	208.00	178.00	248.00	285.00	152.30	240.00	204.00	287.00	329.00	278.00	278.00	236.50	332.00	381.00	204.50	320.00	262.00	364.50	418.00	225.00	354.50	305.00	428.00	491.00	264.50	417.00	279.50	226.00	315.50	276.00
2A73ECSTANDARD	122.80	170.50	196.00	104.30	162.50	138.50	193.00	221.50	118.00	184.00	157.30	219.00	251.50	134.00	209.50	171.40	239.00	274.00	146.30	228.50	196.00	273.00	313.00	167.50	264.00	224.50	315.00	362.00	306.00	306.00	260.00	365.00	419.00	225.00	351.50	288.00	400.00	460.00	247.00	389.50	335.00	469.00	539.00	290.50	458.00	307.50	248.50	347.00	303.00
2A82ECLOW	NA	127.00	145.75	NA	121.25	103.50	143.75	165.00	NA	137.25	117.50	163.25	187.00	NA	156.25	128.00	178.25	204.25	109.50	204.50	146.25	203.25	233.50	125.25	197.25	167.50	235.00	270.00	145.00	228.50	194.50	272.50	312.50	263.25	262.50	215.50	299.00	343.00	185.00	291.00	250.00	350.00	402.00	217.50	342.00	229.00	185.50	259.00	226.50
2A82ECMEDIUM	132.25	184.00	211.00	112.25	175.00	149.50	208.00	238.50	127.00	198.25	169.50	236.00	271.00	144.50	225.50	185.00	257.50	296.00	157.75	296.00	211.00	294.00	338.00	180.25	284.50	242.00	340.00	390.00	210.50	330.00	280.50	394.00	452.00	221.50	378.75	310.50	432.00	495.25	266.50	420.50	361.00	506.00	581.00	313.50	498.00	331.00	268.00	374.50	327.00
2A82ECSTANDARD	143.60	199.75	229.25	122.00	190.25	162.50	226.00	259.50	138.00	215.50	184.25	256.50	294.50	156.75	245.25	201.00	280.00	321.00	171.25	321.50	229.50	319.50	367.00	195.75	309.00	263.00	369.00	424.00	227.00	358.00	304.50	427.00	491.00	168.50	411.00	337.50	468.25	538.00	289.00	456.00	392.00	549.00	630.00	340.00	536.00	360.00	291.00	406.00	355.00
2A91ECLOW	NA	168.00	193.00	NA	160.25	137.00	190.00	218.00	NA	181.50	155.50	216.00	248.00	NA	206.50	169.50	235.50	270.50	144.75	226.00	193.50	269.40	309.00	165.50	261.00	222.00	311.00	357.00	192.00	302.50	257.00	223.00	414.00	223.00	247.50	279.00	396.00	455.00	245.00	386.00	331.50	464.00	533.00	288.00	454.00	303.00	245.50	343.00	300.00
2A91ECMEDIUM	146.00	203.00	232.50	NA	193.00	165.00	229.50	263.00	140.25	219.00	187.00	260.50	299.00	159.75	249.00	204.50	284.00	326.50	174.00	272.00	233.50	324.50	373.00	199.25	314.50	267.00	375.00	431.00	231.00	364.50	310.00	268.00	499.00	268.00	419.00	343.00	477.00	548.00	294.50	464.50	399.00	560.00	643.00	346.50	546.00	366.00	296.00	413.00	361.00
2A91ECSTANDARD	164.50	228.50	262.00	NA	217.50	185.50	258.00	296.50	158.00	246.50	210.75	293.00	336.50	179.50	280.50	229.50	319.50	367.50	196.00	306.00	262.50	365.00	419.50	224.00	352.50	300.50	422.00	484.50	259.50	409.50	348.00	301.00	561.00	301.00	470.50	386.00	536.00	616.00	331.00	522.00	449.00	629.00	721.00	389.00	613.00	412.00	333.00	465.00	406.00
2A100ECLOW	193.00	268.00	307.50	NA	255.00	218.00	303.00	348.00	185.50	289.50	247.50	344.00	395.00	211.00	329.50	270.00	376.00	431.00	230.50	360.00	308.00	429.00	493.00	263.50	416.00	353.00	496.00	570.00	305.00	482.00	410.00	575.00	660.00	354.50	554.00	454.50	631.00	724.00	390.00	614.00	528.00	740.00	850.00	458.00	722.00	484.00	391.00	547.00	478.00
2A100ECMEDIUM	213.50	297.00	341.00	NA	282.50	241.00	335.50	385.00	205.00	320.00	274.00	381.00	438.00	233.00	364.50	299.00	416.00	477.00	254.50	398.00	341.00	475.00	545.00	291.00	460.00	391.00	548.50	630.00	337.00	532.00	453.00	636.00	730.00	392.00	611.80	501.50	697.00	801.00	431.00	679.00	584.00	818.00	938.00	506.00	798.00	535.00	433.00	604.00	528.50
2A100ECSTANDARD	231.00	321.00	369.00	196.00	305.50	261.00	363.00	417.00	222.00	346.00	296.00	412.00	473.00	252.00	394.00	323.00	449.00	516.00	275.00	430.00	369.00	513.00	590.00	315.00	497.00	422.00	593.00	681.00	364.50	575.00	489.00	687.00	788.00	423.00	661.00	542.00	753.00	865.00	465.00	734.00	630.00	884.00	1014.00	547.00	862.00	578.00	468.00	653.00	570.00
2A109ECLOW	239.50	332.50	381.50	NA	317.00	271.00	376.00	432.00	NA	359.00	384.00	427.00	490.00	262.00	408.50	335.00	466.00	535.00	286.00	447.00	383.00	532.00	764.00	327.00	516.00	547.00	616.00	707.00	379.00	598.00	508.00	714.00	819.00	440.00	688.00	564.00	783.00	900.00	484.00	763.00	656.00	919.00	1315.00	569.00	897.00	600.00	486.00	679.00	593.00
2A109ECMEDIUM	272.50	379.00	434.50	NA	360.50	308.00	428.00	491.50	262.00	409.00	349.00	486.00	558.00	298.00	465.00	381.50	530.00	610.00	325.30	508.00	435.00	606.00	696.00	372.00	587.00	499.00	700.00	805.00	431.00	680.00	578.00	811.00	932.00	500.00	781.00	640.00	890.00	1022.00	549.00	867.00	745.00	1044.00	1198.00	647.00	1019.00	683.00	552.00	771.00	674.00
2A109ECSTANDARD	299.50	416.00	478.00	254.00	396.00	338.50	471.00	540.00	287.50	449.00	307.50	534.00	613.00	327.00	511.00	418.50	582.00	669.00	356.50	558.00	478.00	665.00	612.00	408.00	644.00	438.50	769.00	707.00	473.00	746.00	635.00	890.00	1023.00	548.00	857.00	703.00	978.00	1122.00	603.00	950.00	817.00	1145.00	1055.00	708.00	1117.00	751.00	607.00	846.00	739.00

Advance Series A Revision 5

Condition Reference #	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00	31.00	32.00	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00	41.00	42.00	43.00	44.00	45.00	46.00	47.00	48.00	49.00
Wet Bulb °C	10.00	10.00	10.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	16.00	16.00	16.00	16.00	16.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	21.00	21.00	21.00	24.00	24.00	24.00	24.00	24.00	27.00	27.00	27.00	27.00	27.00	29.00	29.00	29.00	29.00	29.00	32.20	32.20	32.20	32.20	32.20	21.00	25.56	27.00	28.00
Range °C	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	8.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	5.00	5.56	5.00	5.00
Approach °C	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	6.00	3.89	5.00	4.00
Inlet Water Temperature °C	20.00	22.00	23.00	22.00	25.00	23.00	25.00	26.00	25.00	28.00	26.00	28.00	29.00	28.00	31.00	28.00	30.00	31.00	30.00	33.00	31.00	33.00	34.00	33.00	36.00	34.00	36.00	37.00	36.00	39.00	37.00	39.00	40.00	39.00	42.00	39.00	41.00	42.00	41.00	44.00	42.20	44.20	45.20	44.20	47.20	32.00	35.00	37.00	37.00
Outlet Water Temperature °C	14.00	16.00	17.00	14.00	17.00	17.00	19.00	20.00	17.00	20.00	20.00	22.00	23.00	20.00	23.00	22.00	24.00	25.00	22.00	25.00	25.00	27.00	28.00	25.00	28.00	28.00	30.00	31.00	28.00	31.00	31.00	33.00	34.00	31.00	34.00	33.00	35.00	36.00	33.00	36.00	36.20	38.20	39.20	36.20	39.20	27.00	29.44	32.00	32.00
Model No. All Three Cell A-37 to A-109																																																	
3A37ECMEDIUM	NA	55.98	64.19	NA	53.17	NA	63.18	72.79	NA	60.30	51.48	72.00	82.69	NA	68.87	56.27	78.59	90.29	NA	75.17	64.37	89.78	103.18	54.79	86.98	73.69	103.97	119.38	63.58	100.98	85.39	120.60	138.60	73.87	116.17	94.79	132.37	152.17	81.40	128.59	110.38	155.59	178.60	95.80	151.60	165.60	169.20	172.80	176.40
3A37ECSTANDARD	NA	67.28	77.40	NA	63.97	54.47	76.18	87.48	NA	72.68	61.99	86.47	99.58	52.67	82.69	67.57	94.39	108.58	57.49	90.40	77.18	108.00	124.38	65.88	104.58	88.60	124.99	143.78	76.39	121.18	102.89	144.97	166.79	88.78	139.57	114.19	159.37	183.17	97.78	154.98	132.77	186.98	215.39	114.98	182.38	18.00	20.00	18.00	18.00
3A46ECLOW	NA	80.00	91.50	NA	76.20	NA	90.25	103.75	NA	86.25	NA	102.75	118.00	NA	98.25	80.50	112.00	128.50	NA	107.25	92.00	128.00	147.00	78.75	124.25	105.25	148.00	170.00	91.25	143.50	122.25	171.50	197.00	106.00	165.50	135.25	188.50	216.00	116.50	183.50	157.50	221.00	253.50	137.00	216.00	143.75	116.75	163.25	142.50
3A46ECMEDIUM	NA	97.75	112.25	NA	93.25	79.60	110.75	127.25	NA	105.75	90.25	125.75	144.25	77.00	120.25	98.50	137.25	157.75	84.00	131.50	112.50	156.75	180.25	96.25	152.00	129.00	181.25	208.25	111.50	176.00	149.75	210.25	241.50	129.50	202.50	165.75	230.50	264.50	142.50	224.50	193.00	270.50	310.50	167.50	264.00	176.50	143.00	199.50	174.50
3A46ECSTANDARD	82.25	114.50	131.25	NA	109.00	93.00	129.25	148.50	79.00	123.50	105.50	147.00	168.75	89.75	140.50	115.00	160.00	184.00	98.00	153.50	131.25	183.00	210.25	112.25	177.00	150.50	211.25	243.00	130.00	205.00	174.50	244.75	281.50	151.00	235.75	193.50	268.50	308.50	165.75	261.50	224.50	315.00	362.00	195.00	307.50	206.50	166.50	233.00	203.50
3A55ECLOW	NA	94.00	107.75	NA	89.50	76.60	106.25	121.75	NA	101.50	86.75	120.75	138.50	NA	115.70	94.75	131.75	151.00	78.75	126.00	108.00	150.25	172.50	92.70	146.00	124.00	174.00	199.50	107.25	169.00	143.50	201.00	231.00	124.75	194.00	159.25	221.00	253.50	136.75	215.50	185.00	259.00	297.00	161.00	253.00	169.00	137.00	191.50	167.50
3A55ECMEDIUM	84.00	116.50	133.75	NA	111.25	95.00	132.00	151.50	80.75	126.05	107.75	150.00	172.00	92.00	143.50	117.50	163.50	187.75	100.50	156.75	134.25	187.00	214.50	114.75	181.25	154.00	216.00	248.00	133.00	209.75	178.50	250.50	288.00	154.50	241.50	198.00	275.00	315.50	170.00	268.00	230.00	323.00	370.50	200.00	315.50	210.50	170.50	238.00	208.00
3A55ECSTANDARD	106.00	147.25	169.00	90.00	140.25	119.50	166.50	191.00	101.75	159.00	135.75	189.00	217.25	115.75	180.75	148.00	206.50	237.00	126.25	197.50	169.25	235.75	270.50	144.50	228.25	194.00	272.50	313.00	167.50	264.50	225.00	315.50	362.50	194.50	303.75	249.00	346.50	397.50	213.50	337.00	290.00	407.00	467.00	251.25	396.50	266.00	214.75	300.00	262.00
3A64ECLOW	93.50	130.00	149.00	79.70	123.75	105.75	147.00	168.50	90.25	140.25	120.00	167.00	191.50	102.50	159.75	130.75	182.00	209.00	111.75	174.25	149.50	208.00	238.50	127.75	201.50	171.50	240.50	276.00	148.25	233.50	198.50	278.50	320.00	172.00	268.50	220.00	306.00	351.00	189.00	298.00	256.00	358.00	411.00	222.50	350.00	234.00	190.00	265.00	231.50
3A64ECMEDIUM	122.00	169.00	194.00	103.50	161.25	137.50	191.50	220.00	117.00	182.50	156.00	217.50	249.50	133.00	208.00	170.50	237.25	272.50	145.50	227.00	194.50	271.00	311.50	166.25	262.50	223.00	313.50	360.00	192.50	304.00	258.50	363.00	417.00	223.50	349.50	286.50	398.00	457.50	246.00	388.00	333.00	468.00	537.00	289.50	456.00	305.50	247.00	345.00	302.00
3A64ECSTANDARD	135.00	187.75	215.50	114.75	178.75	152.75	212.50	244.00	129.75	202.50	173.50	241.00	277.00	147.50	230.50	189.00	263.00	302.25	161.00	252.00	216.00	300.50	345.00	184.25	291.00	247.00	347.50	399.00	213.50	337.00	286.50	402.00	462.00	247.50	387.50	318.00	441.00	507.00	272.00	429.50	369.00	518.00	594.00	320.00	505.00	339.00	274.00	382.00	334.00
3A73ECLOW	126.00	175.00	200.50	NA	166.75	142.25	197.50	227.00	121.25	189.00	161.50	224.50	257.50	138.00	215.00	176.00	245.00	281.00	150.50	235.00	201.00	280.00	321.50	172.25	271.50	230.50	324.00	371.50	199.50	314.50	267.50	375.00	430.00	232.00	361.50	296.50	412.00	472.00	254.50	401.00	345.00	483.00	554.00	299.50	472.00	315.00	255.00	356.00	312.00
3A73ECMEDIUM	162.75	226.00	259.50	138.25	215.50	184.00	256.00	294.00	156.50	244.00	209.00	290.50	334.00	178.00	278.00	227.50	317.00	364.00	194.00	303.25	260.00	362.00	416.00	222.00	350.50	298.00	419.00	481.00	257.50	406.00	345.50	485.00	558.00	299.00	467.00	383.00	533.00	612.00	329.00	519.00	446.00	625.00	718.00	387.00	610.00	408.00	330.00	461.00	403.00
3A73ECSTANDARD	179.50	249.50	286.50	152.50	237.50	202.50	282.00	323.50	172.50	269.00	230.00	320.00	368.00	196.00	306.00	251.00	349.00	401.00	214.00	334.50	286.50	399.00	458.50	244.50	386.50	328.00	461.00	530.00	283.50	447.50	380.50	534.00	614.00	329.00	514.00	422.00	586.00	673.00	362.00	571.00	490.00	687.00	789.00	425.00	671.00	450.00	364.00	508.00	443.50
3A82ECLOW	NA	184.80	212.00	NA	176.30	NA	209.00	240.00	NA	199.80	171.00	237.50	273.00	NA	227.75	186.50	259.50	297.00	159.50	248.50	213.00	296.00	340.00	182.50	287.00	244.00	342.00	393.00	211.00	332.50	283.00	397.00	455.00	245.50	382.50	314.00	435.00	499.00	270.00	424.00	365.00	510.00	584.00	317.00	498.00	333.00	277.50	377.00	329.00
3A82ECMEDIUM	193.50	269.00	308.50	164.50	256.00	218.50	304.00	349.00	186.00	290.00	248.00	345.00	396.50	211.50	333.00	270.50	379.50	436.00	230.50	360.50	309.00	430.00	494.00	264.00	417.00	354.00	497.00	571.00	305.50	483.00	410.00	576.00	662.00	355.00	555.00	455.00	633.00	726.00	390.50	615.00	529.00	741.00	851.00	459.00	724.00	485.00	392.00	548.00	478.00
3A82ECSTANDARD	210.50	292.80	336.00	178.80	279.00	237.80	331.00	380.00	202.50	316.00	269.80	375.80	432.00	230.00	359.50	294.50	410.00	471.00	251.00	392.50	336.00	468.00	538.00	287.00	453.50	385.50	541.00	622.00	332.50	525.00	447.00	627.00	720.00	386.00	603.00	495.00	687.00	789.00	424.00	669.00	575.00	806.00	925.00	499.00	786.00	528.00	427.00	596.00	521.00
3A91ECLOW	NA	244.00	280.00	NA	232.50	NA	275.50	316.00	NA	263.50	225.50	313.00	360.00	NA	299.50	246.00	342.00	392.50	210.00	327.50	281.00	390.00	448.00	240.00	379.00	322.00	452.00	519.00	278.50	439.00	373.00	524.00	601.00	323.00	504.00	414.00	575.00	660.00	355.50	560.00	482.00	674.00	774.00	418.00	659.00	440.00	356.00	498.00	435.00
3A91ECMEDIUM	212.00	295.00	338.00	NA	281.00	240.00	333.50	383.00	204.00	318.00	272.00	378.00	435.00	232.00	362.00	297.00	413.00	476.50	253.50	396.00	339.00	472.00	543.00	290.00	457.00	389.00	546.00	628.00	336.00	530.00	451.00	633.00	727.00	390.00	610.00	500.00	695.00	798.00	429.00	676.00	582.00	816.00	935.00	504.00	796.00	532.00	430.00	602.00	526.00
3A91ECSTANDARD	239.50	333.00	382.00	NA	317.00	270.50	377.00	432.00	230.00	359.00	307.00	428.00	491.00	261.50	409.00	335.00	467.00	536.00	286.00	447.00	383.00	533.00	612.00	327.00	516.00	438.00	616.00	707.00	379.00	598.00	508.00	714.00	820.00	440.00	687.00	563.00	784.00	899.00	483.00	762.00	655.00	919.00	1055.00	568.00	896.00	600.00	486.00	678.00	593.00
3A100ECLOW	279.00	388.00	445.00	NA	369.00	315.50	438.00	503.00	NA	419.00	358.00	498.00	572.00	305.00	477.00	391.00	543.00	624.00	333.00	521.00	446.00	621.00	714.00	381.00	602.00	511.00	718.00	825.00	442.00	698.00	593.00	832.00	956.00	513.00	802.00	657.00	914.00	1050.00	564.00	890.00	765.00	1072.00	1232.00	664.00	1046.00	699.00	567.00	791.00	691.00
3A100ECMEDIUM	309.50	430.00	494.00	NA	410.00	350.00	487.00	559.00	297.50	464.00	397.00	553.00	635.00	338.00	529.00	433.00	603.00	692.00	369.00	577.00	495.00	689.00	792.00	422.50	667.00	567.00	797.00	915.00	489.00	773.00	657.00	922.00	1060.00	568.00	889.00	728.00	1012.00	1164.00	625.00	987.00	847.00	1188.00	1364.00	735.00	1159.00	777.00	627.00	877.00	766.00
3A100ECSTANDARD	336.00	467.00	535.50	285.00	444.00	379.00	527.00	606.00	322.00	503.00	430.00	599.00	688.00	366.50	573.00	469.00	653.00	750.00	400.00	626.00	536.00	746.00	858.00	458.00	723.00	614.00	862.00	991.00	530.00	837.00	712.00	999.00	1147.00	615.00	962.00	788.00	1097.00	1260.00	677.00	1067.00	917.00	1286.00	1476.00	795.00	1255.00	841.00	680.00	950.00	830.00
3A109ECLOW	NA	478.00	549.00	NA	456.00	389.00	541.00	621.00	NA	517.00	442.00	614.00	705.00	377.00	588.00	482.00	670.00	770.00	411.00	643.00	551.00	766.00	880.00	471.00	742.00	631.00	886.00	1018.00	545.00	860.00	732.00	1027.00	1180.00	634.00	990.00	811.00	1128.00	1295.00	696.00	1098.00	944.00	1323.00	1521.00	821.00	1292.00	863.00	699.00	976.00	853.00
3A109ECMEDIUM	393.00	546.00	627.00	NA	520.00	444.00	618.00	709.00	378.00	589.00	504.00	701.00	805.00	430.00	671.00	550.00	765.00	880.00	469.00	733.00	628.00	874.00	1005.00	537.00	847.00	719.00	1012.00	1162.00	622.00	982.00	834.00	1172.00	1348.00	722.00	1129.00	925.00	1286.00	1478.00	793.00	1252.00	1076.00	1510.00	1733.00	935.00	1473.00	985.00	798.00	1114.00	974.00
3A109ECSTANDARD	433.00	601.50	692.00	368.00	573.00	489.00	680.00	782.00	415.50	649.00	555.00	773.00	888.00	473.00	739.00	606.00	843.00	968.00	516.00	808.00	691.00	963.00	1106.00	590.00	933.00	792.00	1114.00	1279.00	683.50	1080.00	918.00	1290.00	1482.00	795.00	1242.00	1017.50	1415.00	1625.00	873.00	1378.00	1184.00	1660.00	1908.00	1028.00	1619.00	1085.00	877.00	1226.00	1071.00

Advance Series A Revision 5

Condition Reference #	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00	31.00	32.00	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00	41.00	42.00	43.00	44.00	45.00	46.00	47.00	48.00	49.00
Wet Bulb °C	10.00	10.00	10.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	16.00	16.00	16.00	16.00	16.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	21.00	21.00	21.00	24.00	24.00	24.00	24.00	24.00	27.00	27.00	27.00	27.00	27.00	29.00	29.00	29.00	29.00	29.00	32.20	32.20	32.20	32.20	32.20	21.00	25.56	27.00	28.00
Range °C	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	8.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	5.00	5.56	5.00	5.00
Approach °C	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	6.00	3.89	5.00	4.00
Inlet Water Temperature °C	20.00	22.00	23.00	22.00	25.00	23.00	25.00	26.00	25.00	28.00	26.00	28.00	29.00	28.00	31.00	28.00	30.00	31.00	30.00	33.00	31.00	33.00	34.00	33.00	36.00	34.00	36.00	37.00	36.00	39.00	37.00	39.00	40.00	39.00	42.00	39.00	41.00	42.00	41.00	44.00	42.20	44.20	45.20	44.20	47.20	32.00	35.00	37.00	37.00
Outlet Water Temperature °C	14.00	16.00	17.00	14.00	17.00	17.00	19.00	20.00	17.00	20.00	20.00	22.00	23.00	20.00	23.00	22.00	24.00	25.00	22.00	25.00	25.00	27.00	28.00	25.00	28.00	28.00	30.00	31.00	28.00	31.00	31.00	33.00	34.00	31.00	34.00	33.00	35.00	36.00	33.00	36.00	36.20	38.20	39.20	36.20	39.20	27.00	29.44	32.00	32.00
Model No. 44 Four Cell A-37 to A-10E																																																	
4A37ECMEDIUM	NA	72.30	83.25	NA	69.00	NA	82.20	94.50	NA	78.25	NA	93.25	107.25	NA	89.00	72.80	101.75	117.00	NA	97.25	83.50	116.25	134.00	71.00	112.75	95.50	134.75	155.00	82.50	130.75	111.00	156.50	180.00	95.75	150.50	122.75	171.50	197.50	105.25	167.00	143.25	201.00	232.00	124.00	196.50	131.50	106.00	148.50	129.50
4A37ECSTANDARD	NA	87.25	100.50	NA	83.00	70.80	99.00	113.75	NA	94.30	80.50	112.50	129.50	68.50	107.50	87.75	122.75	141.25	74.75	117.50	100.25	140.25	161.50	85.50	135.75	115.25	162.50	187.00	99.25	157.50	133.50	188.75	216.50	115.50	181.25	148.25	207.25	238.50	127.00	201.50	172.50	243.00	279.50	149.50	237.00	158.00	127.50	179.00	156.50
4A46ECLOW	NA	103.75	118.75	NA	NA	NA	117.25	134.50	NA	112.00	134.50	133.00	120.75	NA	127.25	104.25	145.25	166.75	NA	139.00	119.25	166.00	190.50	102.25	160.50	136.50	192.00	220.00	118.25	143.75	158.50	222.50	255.00	137.25	214.25	176.00	244.25	280.00	151.00	238.00	204.00	286.50	328.50	177.50	279.50	186.50	151.25	211.50	184.50
4A46ECMEDIUM	NA	127.00	146.00	NA	121.00	103.50	143.75	165.00	NA	137.25	165.25	163.25	148.00	NA	156.25	128.00	178.25	204.50	109.25	170.75	146.25	203.50	234.00	125.00	197.25	167.50	235.50	270.50	144.75	176.00	194.50	279.00	313.50	168.00	263.00	215.50	300.00	344.00	185.00	292.00	250.50	352.00	404.00	217.50	343.00	229.50	185.50	259.50	227.00
4A46ECSTANDARD	107.00	149.00	171.00	NA	141.75	121.00	168.25	193.50	103.00	160.50	193.50	191.00	173.50	117.00	183.00	150.00	208.50	239.50	127.75	199.50	171.00	238.00	274.00	146.00	230.50	196.00	275.50	316.50	169.25	205.00	227.50	319.00	366.50	196.50	307.50	252.00	350.50	402.00	216.00	341.00	293.00	411.00	472.00	254.00	401.00	268.50	217.00	304.00	265.00
4A55ECLOW	NA	120.75	138.50	NA	115.00	NA	136.50	156.50	NA	130.25	111.50	155.00	178.00	NA	148.00	121.50	169.25	194.00	104.00	162.00	139.00	193.00	221.50	119.00	187.25	159.00	223.25	256.25	138.00	217.00	184.50	258.50	296.50	160.00	249.25	204.50	283.50	325.25	175.50	276.50	237.50	332.50	380.00	207.00	324.00	216.50	176.00	246.00	214.50
4A55ECMEDIUM	108.00	150.00	172.25	NA	143.00	122.00	169.50	195.00	104.00	162.25	138.50	193.00	221.50	118.25	184.50	151.00	210.50	242.00	129.25	201.75	172.75	240.50	276.50	147.75	233.25	198.00	278.50	320.00	171.25	270.25	229.50	322.50	370.25	199.00	310.50	254.50	354.50	407.00	218.50	345.00	297.00	416.00	478.00	257.50	406.00	271.00	219.50	306.00	268.00
4A55ECSTANDARD	137.00	190.25	218.25	116.25	181.00	154.50	215.00	247.25	131.50	205.25	175.50	244.50	280.50	149.50	233.50	191.50	266.50	306.50	163.25	255.25	218.50	304.50	350.25	186.75	295.00	250.50	352.25	405.00	216.50	341.75	291.00	408.00	469.00	251.50	393.00	322.00	448.50	515.00	276.50	436.50	375.00	526.00	604.00	325.25	513.00	343.50	278.00	388.00	339.00
4A64ECLOW	122.25	169.50	194.50	104.00	161.50	138.00	191.50	219.50	117.50	183.25	156.50	218.00	250.00	133.75	208.50	171.00	237.50	272.50	146.00	228.00	195.00	271.00	311.00	167.00	263.00	223.50	313.50	360.00	193.50	304.50	259.00	364.00	417.00	225.00	350.50	287.50	399.00	458.00	247.00	389.00	334.00	468.00	536.00	291.00	457.00	305.00	248.00	346.00	302.00
4A64ECMEDIUM	159.50	221.50	254.00	135.50	210.75	180.00	250.00	287.50	153.00	239.00	204.50	284.50	326.50	174.00	272.00	223.00	310.50	356.00	190.00	297.00	254.50	354.00	407.00	217.50	343.00	292.00	410.00	470.50	252.00	397.50	338.00	475.50	546.00	292.50	458.00	375.00	522.00	599.00	321.50	507.50	436.00	612.00	702.00	379.00	597.00	400.00	323.00	452.00	395.00
4A64ECSTANDARD	176.75	245.75	282.25	150.00	234.00	200.00	278.00	319.00	169.75	265.50	227.00	316.00	363.00	193.50	302.00	247.50	344.50	396.00	211.00	330.00	282.50	393.00	452.00	241.50	381.25	323.50	455.00	523.00	279.50	441.50	375.00	527.00	606.00	325.00	508.00	416.00	578.00	664.50	356.50	563.00	484.00	679.00	778.00	420.00	662.00	444.00	359.00	501.00	438.00
4A73ECLOW	163.50	227.00	260.50	NA	216.50	185.00	256.50	294.50	157.50	245.50	210.00	291.50	335.00	179.00	279.50	229.00	318.00	365.00	195.50	305.00	261.50	363.50	417.00	223.50	352.50	299.50	420.00	482.00	259.00	408.50	347.00	487.50	559.00	301.00	470.00	385.00	534.00	614.00	331.00	521.00	448.00	628.00	720.00	389.00	613.00	409.00	332.00	463.00	405.00
4A73ECMEDIUM	212.00	294.50	338.00	180.00	280.50	239.50	333.00	382.00	204.00	318.00	272.00	378.00	435.00	231.50	362.00	296.50	413.00	474.00	253.00	395.00	338.50	471.00	542.00	289.50	457.00	388.00	545.00	626.50	335.50	529.00	450.00	633.00	727.00	390.00	609.00	499.00	694.00	798.00	428.00	676.00	581.00	815.00	936.00	504.00	795.00	532.00	430.00	601.00	525.00
4A73ECSTANDARD	234.00	325.00	373.00	198.50	309.50	264.50	368.00	422.00	225.00	351.00	299.75	418.00	480.00	255.50	399.50	327.00	455.50	523.00	279.00	436.50	373.50	521.00	598.00	319.00	504.00	428.00	602.00	692.00	369.50	584.00	496.50	698.00	801.00	429.00	672.00	550.00	765.00	880.00	472.00	745.00	641.00	899.00	1030.00	555.00	875.50	587.00	474.00	664.00	578.50
4A82ECLOW	NA	240.50	276.00	NA	229.50	NA	272.00	312.00	NA	260.00	223.00	309.00	354.00	NA	296.00	243.00	337.00	387.00	207.50	323.00	277.00	385.00	442.00	237.50	373.50	318.00	445.00	511.00	275.00	433.00	368.00	516.00	592.00	319.00	497.00	408.00	566.00	649.00	351.00	552.00	474.00	663.00	760.00	412.00	648.00	434.00	351.00	490.00	428.00
4A82ECMEDIUM	255.50	351.00	403.00	214.50	334.00	285.00	397.00	456.00	242.50	379.00	324.00	451.00	518.00	276.00	431.00	353.00	492.00	565.00	301.00	471.00	403.00	562.00	645.00	344.50	544.00	462.00	650.00	747.00	399.00	630.00	536.00	753.00	865.00	464.00	725.00	594.00	826.00	949.00	509.00	805.00	691.00	970.00	1112.00	599.00	946.00	633.00	512.00	715.00	625.00
4A82ECSTANDARD	275.00	383.00	439.00	233.50	364.00	311.00	433.00	497.00	264.50	413.00	353.00	491.00	564.00	300.50	470.00	385.00	536.00	616.00	328.00	513.00	440.00	612.00	704.00	375.00	593.00	504.00	708.00	814.00	435.00	687.00	584.00	820.00	942.00	505.00	789.00	647.00	900.00	1033.00	555.00	875.00	752.00	1054.00	1210.00	652.00	1028.00	691.00	558.00	780.00	681.00
4A91ECLOW	NA	316.00	362.00	NA	301.00	NA	357.00	410.00	NA	341.00	292.00	406.00	466.00	NA	388.50	319.00	443.00	509.00	272.00	424.50	364.00	506.00	294.00	311.50	491.00	417.00	585.00	672.00	361.00	569.00	484.00	678.00	779.00	419.00	654.00	536.00	745.00	855.00	461.00	726.00	624.00	875.00	1002.00	542.00	854.00	569.00	462.00	645.00	563.00
4A91ECMEDIUM	276.00	383.00	439.00	NA	365.00	311.00	433.00	497.00	NA	413.50	354.00	492.00	565.00	301.50	471.00	386.00	537.00	617.00	329.00	514.00	441.00	614.00	355.00	377.00	595.00	505.00	710.00	815.00	436.00	689.00	586.00	823.00	945.00	507.00	793.00	649.00	904.00	1038.00	557.00	880.00	755.00	1059.00	1218.00	656.00	1034.00	691.00	560.00	781.00	683.00
4A91ECSTANDARD	312.00	433.00	498.00	NA	413.00	352.00	490.00	563.00	299.50	468.00	400.00	557.00	640.00	340.50	532.00	436.00	607.00	698.00	372.00	582.00	498.00	693.00	401.00	425.00	672.00	570.00	803.00	922.00	493.00	779.00	661.00	930.00	1068.00	572.00	896.00	733.00	1020.00	1172.00	629.00	993.00	853.00	1198.00	1375.00	740.00	1168.00	783.00	632.00	883.00	773.00
4A100ECLOW	NA	502.00	576.00	NA	478.00	408.00	567.00	652.00	NA	542.00	463.00	645.00	740.00	395.00	617.00	505.00	703.00	808.00	431.00	674.00	577.00	804.00	924.00	493.00	779.00	662.00	930.00	1068.00	571.00	902.00	768.00	1078.00	1238.00	665.00	1038.00	850.00	1184.00	1360.00	730.00	1152.00	990.00	1390.00	1596.00	812.00	1356.00	905.00	732.00	1024.00	895.00
4A100ECMEDIUM	401.00	558.00	640.00	NA	531.00	453.00	631.00	724.00	386.00	602.00	514.00	717.00	822.00	438.00	685.00	561.00	782.00	898.00	479.00	749.00	641.00	894.00	1026.00	547.00	865.00	734.00	1034.00	1188.00	634.00	1002.00	852.00	1198.00	1374.00	737.00	1154.00	944.00	1314.00	1510.00	810.00	1280.00	1098.00	1542.00	1770.00	900.00	1506.00	1006.00	814.00	1138.00	994.00
4A100ECSTANDARD	435.00	606.00	696.00	370.00	577.00	492.00	685.00	787.00	418.00	654.00	558.00	778.00	894.00	476.00	744.00	609.00	849.00	976.00	519.00	813.00	696.00	970.00	1114.00	594.00	939.00	797.00	1122.00	1288.00	689.00	1088.00	924.00	1300.00	1494.00	799.00	1250.00	1024.00	1426.00	1638.00	878.00	1388.00	1192.00	1672.00	1922.00	977.00	1630.00	1092.00	884.00	1236.00	1078.00
4A109ECLOW	NA	616.00	706.00	NA	587.00	501.00	697.00	800.00	NA	665.00	569.00	792.00	910.00	485.00	758.00	620.00	864.00	993.00	530.00	828.00	709.00	988.00	1134.00	606.00	956.00	812.00	1142.00	1312.00	702.00	1108.00	942.00	1324.00	1520.00	816.00	1276.00	1045.00	1454.00	1670.00	898.00	1415.00	1216.00	1706.00	1962.00	1056.00	1668.00	1112.00	900.00	1260.00	1098.00
4A109ECMEDIUM	508.00	705.00	810.00	NA	671.00	573.00	798.00	916.00	488.00	761.00	650.00	906.00	1040.00	555.00	866.00	710.00	988.00	1136.00	606.00	946.00	810.00	1130.00	1298.00	692.00	1095.00	930.00	1308.00	1501.00	802.00	1268.00	1078.00	1514.00	1740.00	932.00	1460.00	1195.00	1662.00	1980.00	1025.00	1620.00	1392.00	1952.00	2242.00	1206.00	1906.00	1272.00	1030.00	1442.00	1256.00
4A109ECSTANDARD	560.00	778.00	894.00	476.00	741.00	632.00	880.00	1012.00	538.00	840.00	710.00	1000.00	1149.00	612.00	956.00	783.00	1090.00	1255.00	668.00	1044.00	894.00	1248.00	1434.00	764.00	1207.00	1026.00	1442.00	1655.00	886.00	1398.00	1190.00	1670.00	1920.00	1028.00	1610.00	1320.00	1833.00	2105.00	1130.00	1786.00	1535.00	2152.00	2472.00	1330.00	2098.00	1405.00	1136.00	1590.00	1386.00

Advance Series A Revision 5

Condition Reference #	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00	31.00	32.00	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00	41.00	42.00	43.00	44.00	45.00	46.00	47.00	48.00	49.00
Wet Bulb °C	10.00	10.00	10.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	16.00	16.00	16.00	16.00	16.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	21.00	21.00	21.00	24.00	24.00	24.00	24.00	24.00	27.00	27.00	27.00	27.00	27.00	29.00	29.00	29.00	29.00	29.00	32.20	32.20	32.20	32.20	32.20	21.00	25.56	27.00	28.00
Range °C	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	8.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	5.00	5.56	5.00	5.00
Approach °C	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	6.00	3.89	5.00	4.00
Inlet Water Temperature °C	20.00	22.00	23.00	22.00	25.00	23.00	25.00	26.00	25.00	28.00	26.00	28.00	29.00	28.00	31.00	28.00	30.00	31.00	30.00	33.00	31.00	33.00	34.00	33.00	36.00	34.00	36.00	37.00	36.00	39.00	37.00	39.00	40.00	39.00	42.00	39.00	41.00	42.00	41.00	44.00	42.20	44.20	45.20	44.20	47.20	32.00	35.00	37.00	37.00
Outlet Water Temperature °C	14.00	16.00	17.00	14.00	17.00	17.00	19.00	20.00	17.00	20.00	20.00	22.00	23.00	20.00	23.00	22.00	24.00	25.00	22.00	25.00	25.00	27.00	28.00	25.00	28.00	28.00	30.00	31.00	28.00	31.00	31.00	33.00	34.00	31.00	34.00	33.00	35.00	36.00	33.00	36.00	36.20	38.20	39.20	36.20	39.20	27.00	29.44	32.00	32.00
Model No. All Five Cell A-37 to A-109																																																	
5A37ECMEDIUM	NA	88.50	101.50	84.25	NA	100.25	100.25	115.00	NA	95.25	NA	113.75	130.50	NA	108.50	89.00	124.50	143.00	NA	118.75	101.75	142.00	163.00	86.75	137.75	116.50	164.75	189.25	100.75	159.50	135.25	191.00	219.00	150.50	183.50	150.00	209.00	240.50	128.50	204.00	175.00	246.00	283.00	151.50	239.50	160.00	129.25	181.50	158.00
5A37ECSTANDARD	NA	106.70	122.75	101.50	86.75	121.00	121.00	139.00	NA	115.25	98.50	137.50	158.25	NA	131.25	107.25	150.00	172.75	91.35	143.50	122.75	171.75	197.50	104.75	166.00	141.00	198.75	229.00	121.25	192.50	163.50	230.25	265.00	182.50	221.75	181.50	253.50	291.00	155.25	246.50	211.50	297.50	342.00	182.75	290.00	193.50	156.00	218.75	191.00
5A46ECLOW	NA	126.50	145.00	NA	NA	NA	143.25	164.25	NA	136.75	NA	162.50	186.50	NA	155.50	127.50	177.50	203.75	NA	169.75	145.75	202.50	232.50	NA	196.75	167.00	234.50	269.00	144.50	227.50	193.50	271.50	312.00	167.50	262.00	214.50	298.00	342.00	184.25	290.00	250.00	349.00	400.00	217.00	341.00	227.50	184.50	258.00	225.00
5A46ECMEDIUM	NA	155.50	178.50	NA	148.00	126.50	176.00	202.00	NA	167.75	143.50	199.50	229.50	NA	191.00	156.50	218.25	250.50	133.75	208.75	178.75	249.25	286.00	152.75	241.50	205.00	288.50	331.00	177.00	279.50	237.75	334.00	384.00	206.00	322.00	263.50	367.00	421.00	226.50	357.00	306.50	430.00	494.00	266.50	420.00	280.50	227.00	317.00	277.00
5A46ECSTANDARD	131.25	182.50	209.75	NA	173.75	148.25	206.50	237.00	126.00	197.00	168.25	234.50	269.50	143.25	224.00	183.50	255.75	294.00	156.50	244.75	209.75	292.25	335.50	179.00	283.00	240.00	338.00	388.00	207.50	327.50	278.50	391.50	450.00	241.00	377.00	309.00	430.00	493.00	265.00	418.00	359.00	504.00	578.50	312.00	492.00	329.00	266.00	372.00	325.00
5A55ECLOW	NA	146.00	167.75	NA	139.50	NA	165.50	189.50	NA	158.00	135.50	188.00	215.50	NA	180.00	147.50	205.00	235.25	126.25	196.50	168.50	234.00	268.00	144.25	227.00	193.00	270.50	310.00	167.00	263.00	223.50	313.00	359.00	194.00	302.00	248.00	343.50	394.00	213.50	335.50	288.50	403.00	461.00	251.00	394.00	263.00	214.00	297.00	260.50
5A55ECMEDIUM	131.25	182.00	209.00	NA	173.50	148.50	206.00	236.50	126.25	196.75	168.50	234.00	269.00	143.50	224.00	183.50	255.00	293.50	156.75	245.00	210.00	292.00	335.50	179.50	283.00	240.50	337.50	388.00	208.00	328.00	279.00	392.00	450.00	241.50	377.50	309.00	430.00	494.50	265.50	419.00	360.50	505.00	580.00	313.00	494.00	329.00	266.50	372.00	325.00
5A55ECSTANDARD	166.50	231.50	266.00	141.50	220.50	188.00	262.00	300.75	160.00	250.00	213.75	298.00	342.00	182.00	284.50	233.00	324.50	373.00	199.00	311.00	266.50	371.00	427.00	227.50	259.50	305.00	430.00	494.00	263.50	417.00	354.00	497.50	572.50	306.50	479.50	393.00	546.00	627.50	336.50	532.00	457.00	642.00	738.00	396.00	626.00	419.00	338.00	473.00	413.00
5A64ECLOW	150.00	208.00	238.50	128.00	198.50	169.50	235.00	270.00	144.50	225.00	192.50	267.50	307.00	164.25	256.00	210.00	291.50	335.00	179.50	279.50	240.00	333.50	382.00	205.50	323.50	275.00	385.00	442.00	238.00	374.50	319.00	447.00	512.00	276.50	430.00	353.50	489.00	562.00	304.00	478.00	411.00	575.00	660.00	357.00	562.00	375.00	304.00	424.00	371.00
5A64ECMEDIUM	196.00	272.00	312.00	166.50	259.50	221.50	308.00	353.50	188.50	294.00	251.50	350.00	402.00	214.50	334.50	274.00	381.50	438.00	234.00	365.50	313.00	436.00	501.00	267.50	422.00	359.00	504.00	580.00	310.00	489.50	416.00	585.00	671.00	360.00	563.00	462.00	642.00	737.00	396.00	625.00	537.00	754.00	865.00	466.50	735.00	492.00	398.00	555.00	486.00
5A64ECSTANDARD	218.00	303.00	347.50	185.00	288.50	246.00	342.50	393.00	209.50	326.50	279.50	389.00	447.00	238.00	372.00	305.00	424.00	488.00	259.50	406.50	348.00	485.00	557.00	297.00	469.00	398.50	560.00	644.00	344.00	543.50	462.50	650.00	746.00	399.50	625.00	512.50	713.00	819.00	439.00	694.00	595.50	835.50	960.00	517.50	816.00	547.00	442.00	618.00	540.00
5A73ECLOW	200.00	278.00	318.50	NA	264.50	226.50	314.00	360.00	193.00	299.50	256.50	357.00	409.00	219.50	341.50	280.00	389.00	447.00	239.50	373.00	319.50	444.00	511.00	274.00	431.50	366.00	514.00	317.00	499.00	425.00	425.00	596.00	684.00	368.50	575.00	471.00	653.00	751.00	405.00	637.00	548.00	766.00	880.00	476.00	750.00	500.00	406.00	566.00	495.00
5A73ECMEDIUM	259.50	361.00	414.00	220.50	343.50	293.50	408.00	469.00	249.50	390.00	333.00	464.00	533.00	284.00	443.50	363.00	506.00	581.00	310.00	484.50	415.00	578.00	665.00	355.00	560.00	475.50	769.00	411.00	649.00	552.00	552.00	775.00	890.00	478.00	747.00	612.00	850.00	978.00	525.00	828.00	711.00	998.00	1148.00	618.00	975.00	651.00	527.00	738.00	644.00
5A73ECSTANDARD	287.00	399.00	458.00	244.00	380.00	324.00	451.00	519.00	276.00	430.50	368.00	513.00	589.00	313.50	490.00	402.00	560.00	643.00	342.50	536.00	459.00	639.00	754.00	392.00	619.00	526.00	849.00	454.00	717.00	609.00	609.00	856.00	985.00	527.00	825.00	676.00	941.00	1080.00	579.00	915.00	786.00	1103.00	1266.00	682.00	1075.00	720.00	582.00	814.00	711.00
5A82ECLOW	NA	295.00	338.00	NA	281.00	NA	333.00	382.00	NA	318.50	272.50	379.00	434.00	NA	362.50	297.00	413.00	473.00	254.00	396.00	340.00	472.00	541.00	291.00	457.00	389.00	545.00	625.00	337.00	530.00	451.00	631.00	724.00	391.00	609.00	499.00	692.00	795.00	430.00	676.00	581.00	812.00	930.00	505.00	794.00	531.00	430.00	600.00	525.00
5A82ECMEDIUM	310.00	431.00	494.00	263.50	410.00	350.00	487.00	559.00	298.00	465.00	398.00	554.00	636.00	339.00	529.00	434.00	603.00	693.00	370.00	578.00	495.00	690.00	793.00	423.00	668.00	567.00	798.00	917.00	490.00	774.00	658.00	925.00	1062.00	569.00	891.00	729.00	1014.00	1166.00	626.00	988.00	850.00	1190.00	1368.00	737.00	1162.00	778.00	629.00	880.00	767.00
5A82ECSTANDARD	338.00	470.00	540.00	287.00	448.00	382.00	532.00	611.00	325.00	508.00	433.50	604.00	695.00	370.00	578.00	474.00	659.00	758.00	403.00	631.00	541.00	753.00	865.00	462.00	729.00	620.00	870.00	1000.00	535.00	845.00	719.00	1008.00	1158.00	621.00	971.00	796.00	1106.00	1270.00	682.00	1077.00	925.00	1299.00	1490.00	803.00	1267.00	850.00	686.00	960.00	838.00
5A91ECLOW	NA	386.00	443.00	NA	368.00	NA	436.00	501.00	NA	417.00	357.00	496.00	569.00	NA	474.00	389.00	540.00	621.00	NA	518.00	445.00	618.00	710.00	380.50	599.00	510.00	715.00	820.00	441.00	695.00	591.00	828.00	952.00	512.00	798.00	654.00	910.00	1044.00	563.00	887.00	762.00	1066.00	1226.00	662.00	696.00	696.00	564.00	786.00	689.00
5A91ECMEDIUM	337.00	468.00	537.00	NA	446.00	381.00	530.00	608.00	NA	506.00	432.00	602.00	692.00	369.00	576.00	472.00	657.00	754.00	402.00	629.00	539.00	751.00	862.00	461.00	727.00	618.00	869.00	998.00	534.00	843.00	716.00	1007.00	1156.00	620.00	970.00	794.00	1106.00	1270.00	682.00	1076.00	924.00	1298.00	1490.00	802.00	846.00	846.00	684.00	958.00	836.00
5A91ECSTANDARD	382.00	531.00	609.00	NA	505.00	431.00	600.00	690.00	367.00	573.00	490.00	682.00	784.00	417.00	652.00	534.00	743.00	854.00	456.00	712.00	610.00	850.00	976.00	521.00	823.00	700.00	983.00	1130.00	604.00	953.00	811.00	1140.00	1308.00	701.00	1098.00	900.00	1252.00	1436.00	771.00	1218.00	1046.00	1468.00	1686.00	908.00	958.00	958.00	775.00	1083.00	946.00
5A100ECLOW	NA	612.00	702.00	NA	582.00	497.00	692.00	794.00	NA	660.00	564.00	785.00	903.00	481.00	752.00	616.00	858.00	986.00	526.00	822.00	703.00	980.00	1126.00	601.00	950.00	806.00	1134.00	1302.00	697.00	1100.00	936.00	1316.00	1512.00	810.00	1266.00	1038.00	1444.00	1658.00	890.00	1406.00	1186.00	1676.00	1946.00	1048.00	1654.00	1104.00	894.00	1250.00	1090.00
5A100ECMEDIUM	490.00	680.00	782.00	NA	648.00	554.00	770.00	883.00	471.00	735.00	628.00	874.00	1004.00	535.00	836.00	686.00	954.00	1096.00	584.00	914.00	782.00	1090.00	1252.00	668.00	1056.00	898.00	1260.00	1450.00	775.00	1224.00	1040.00	1464.00	1680.00	900.00	1408.00	1154.00	1606.00	1844.00	990.00	1562.00	1322.00	1864.00	2166.00	1164.00	1840.00	1230.00	994.00	1390.00	1214.00
5A100ECSTANDARD	532.00	740.00	850.00	NA	704.00	602.00	836.00	962.00	512.00	798.00	683.00	950.00	1092.00	582.00	910.00	744.00	1038.00	1193.00	635.00	994.00	850.00	1186.00	1362.00	726.00	1148.00	974.00	1370.00	1576.00	842.00	1330.00	1130.00	1588.00	1826.00	978.00	1530.00	1254.00	1744.00	2004.00	1074.00	1698.00	1434.00	2024.00	2350.00	1264.00	1996.00	1336.00	1080.00	1510.00	1320.00
5A109ECLOW	682.00	950.00	1090.00	NA	903.00	771.00	1073.00	1234.00	656.00	1025.00	875.00	1220.00	1400.00	746.00	1165.00	955.00	1332.00	1530.00	815.00	1274.00	1092.00	1522.00	1748.00	932.00	1474.00	1252.00	1760.00	2023.00	1080.00	1708.00	1452.00	2040.00	2345.00	1255.00	1965.00	1610.00	2240.00	2574.00	1378.00	2179.00	1870.00	2625.00	3020.00	1622.00	2561.00	1715.00	1387.00	1940.00	1690.00
5A109ECMEDIUM	617.00	858.00	985.00	NA	817.00	698.00	970.00	1115.00	593.00	927.00	793.00	1103.00	1265.00	675.00	1055.00	865.00	1203.00	1382.00	737.00	1153.00	988.00	1375.00	1580.00	843.00	1331.00	1133.00	1590.00	1830.00	978.00	1545.00	1314.00	1845.00	2121.00	1137.00	1778.00	1457.00	2025.00	2328.00	1250.00	1972.00	1693.00	2376.00	2735.00	1470.00	2330.00	1549.00	1253.00	1755.00	1530.00
5A109ECSTANDARD	NA	748.00	858.00	NA	713.00	609.00	847.00	972.00	NA	809.00	692.00	962.00	1105.00	590.00	920.00	755.00	1050.00	1205.00	644.00	1006.00	862.00	1200.00	1378.00	737.00	1162.00	989.00	1389.00	1595.00	855.00	1349.00	1148.00	1610.00	1850.00	993.00	1552.00	1272.00	1765.00	2030.00	1092.00	1722.00	1480.00	2075.00	2385.00	1285.00	2025.00	1350.00	1095.00	1530.00	1337.00

Advance Series A Revision 5

Condition Reference #	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00	31.00	32.00	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00	41.00	42.00	43.00	44.00	45.00	46.00	47.00	48.00	49.00
Wet Bulb °C	10.00	10.00	10.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	16.00	16.00	16.00	16.00	16.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	21.00	21.00	21.00	24.00	24.00	24.00	24.00	24.00	27.00	27.00	27.00	27.00	27.00	29.00	29.00	29.00	29.00	29.00	32.20	32.20	32.20	32.20	32.20	21.00	25.56	27.00	28.00
Range °C	6.00	6.00	8.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	6.00	6.00	8.00	8.00	6.00	8.00	5.00	5.56	5.00	5.00
Approach °C	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	4.00	6.00	7.00	4.00	7.00	6.00	3.89	5.00	4.00
Inlet Water Temperature °C	20.00	22.00	23.00	22.00	25.00	23.00	25.00	26.00	25.00	28.00	26.00	28.00	29.00	28.00	31.00	28.00	30.00	31.00	30.00	33.00	31.00	33.00	34.00	33.00	36.00	34.00	36.00	37.00	36.00	39.00	37.00	39.00	40.00	39.00	42.00	39.00	41.00	42.00	41.00	44.00	42.20	44.20	45.20	44.20	47.20	32.00	35.00	37.00	37.00
Outlet Water Temperature °C	14.00	16.00	17.00	14.00	17.00	17.00	19.00	20.00	17.00	20.00	20.00	22.00	23.00	20.00	23.00	22.00	24.00	25.00	22.00	25.00	25.00	27.00	28.00	25.00	28.00	28.00	30.00	31.00	28.00	31.00	31.00	33.00	34.00	31.00	34.00	33.00	35.00	36.00	33.00	36.00	36.20	38.20	39.20	36.20	39.20	27.00	29.44	32.00	32.00
Model No. All Six Cell A-37 to A-109																																																	
6A37ECMEDIUM	NA	104.00	119.50	NA	NA	NA	118.00	135.50	NA	112.25	NA	133.50	154.25	128.25	128.25	104.75	146.00	168.25	NA	140.00	119.75	167.25	192.00	102.00	161.75	137.75	193.75	222.50	118.50	187.75	159.75	224.50	258.00	137.50	216.00	176.75	246.50	283.50	151.50	239.50	206.00	289.50	333.00	178.50	282.00	188.00	152.00	213.50	186.00
6A37ECSTANDARD	NA	125.75	144.50	NA	119.75	102.00	142.50	164.00	NA	136.00	116.00	162.00	186.25	154.75	154.75	126.50	176.50	203.50	107.75	169.00	144.75	202.00	232.75	123.25	195.50	166.00	234.25	269.00	143.00	226.75	192.75	271.50	313.00	166.25	261.50	213.75	298.00	343.50	183.00	290.25	249.00	351.00	403.00	215.50	342.00	228.00	184.00	258.00	225.00
6A46ECLOW	NA	NA	171.00	NA	NA	NA	168.50	193.00	NA	161.00	NA	191.00	219.50	NA	183.00	NA	209.00	239.50	NA	200.00	171.50	238.50	274.00	NA	231.25	196.50	276.00	316.00	170.25	269.00	228.00	319.00	367.00	197.50	308.50	252.50	350.50	403.00	217.00	342.50	294.00	411.00	473.00	255.50	402.50	268.50	317.50	304.00	266.00
6A46ECMEDIUM	NA	183.00	210.50	NA	174.50	NA	207.00	238.00	NA	198.00	169.25	235.50	270.50	NA	225.50	184.50	257.00	295.00	157.50	246.00	211.00	293.50	337.50	180.50	284.50	242.00	340.00	390.00	209.00	330.00	280.50	394.00	452.00	243.00	380.00	311.00	432.00	497.00	267.00	421.00	362.00	507.50	582.50	314.00	496.00	331.00	268.00	374.00	327.00
6A46ECSTANDARD	155.00	215.50	247.50	NA	205.00	NA	243.50	280.00	NA	232.50	199.00	276.50	318.00	169.25	264.50	217.00	302.00	347.00	185.00	289.00	248.00	345.00	396.50	211.50	334.00	284.00	399.00	458.00	245.00	387.00	329.00	462.00	531.00	284.50	445.00	365.00	508.00	582.50	313.00	494.00	424.50	595.00	684.00	368.00	581.00	389.00	315.00	439.00	384.00
6A55ECLOW	NA	171.50	196.50	NA	163.25	NA	193.50	222.00	NA	185.00	158.50	220.00	252.00	NA	210.50	172.50	239.50	275.00	NA	229.75	197.00	274.25	314.00	169.00	265.50	225.50	316.50	363.50	196.00	307.50	261.50	367.00	420.00	227.50	353.50	290.50	403.00	461.00	250.00	392.00	338.00	472.00	541.00	294.00	460.50	307.50	250.00	349.00	304.50
6A55ECMEDIUM	154.00	213.50	245.25	NA	203.25	174.00	241.50	277.50	NA	230.50	197.50	274.50	315.50	168.50	262.50	215.00	299.50	344.00	184.00	287.00	246.00	342.00	393.00	210.50	331.50	282.00	396.00	455.00	243.50	384.50	327.00	459.00	528.00	283.50	442.50	363.00	504.00	580.00	311.00	491.00	423.00	592.00	680.00	367.00	578.00	385.50	312.00	437.00	381.00
6A55ECSTANDARD	195.50	272.00	312.00	166.00	259.00	221.00	307.50	353.50	188.00	293.50	251.00	349.50	401.50	214.00	334.50	274.00	381.50	438.00	233.50	365.50	313.00	436.00	501.00	267.50	422.00	359.00	504.00	579.50	310.00	489.50	416.00	585.00	672.00	360.00	563.00	461.00	642.00	737.50	395.50	625.00	537.00	755.00	866.00	466.00	736.00	492.00	397.00	556.00	485.00
6A64ECLOW	177.50	246.50	282.50	151.20	235.00	200.50	278.50	319.50	171.00	266.50	228.00	316.50	363.50	194.50	303.00	248.00	345.00	396.00	212.00	331.00	283.50	394.00	452.00	242.50	382.50	325.00	456.00	523.00	281.00	443.00	377.00	528.00	605.00	326.50	509.00	418.00	579.00	665.00	359.00	565.00	486.00	680.00	780.00	423.00	665.00	444.00	360.00	502.00	438.00
6A64ECMEDIUM	232.00	322.00	370.00	197.00	307.00	262.00	365.00	419.00	223.00	348.00	297.50	414.00	475.50	253.50	396.00	325.00	452.00	518.50	277.00	432.50	370.50	516.50	592.50	317.00	500.00	425.00	598.00	686.00	367.00	580.00	493.00	692.00	795.00	427.00	667.00	546.00	761.00	873.00	469.00	740.00	636.00	893.00	1025.00	552.00	870.00	582.00	471.00	657.00	575.00
6A64ECSTANDARD	258.00	359.00	412.00	219.00	341.50	291.50	406.00	466.50	248.00	387.50	331.00	461.50	530.00	282.00	440.50	361.00	503.00	578.00	308.00	481.00	412.50	574.00	660.00	352.00	556.50	461.00	664.00	764.00	408.00	645.00	548.00	770.00	884.00	474.00	742.00	608.00	845.00	970.00	521.00	822.00	706.00	991.00	1139.00	613.00	967.00	648.00	524.00	733.00	640.00
6A73ECLOW	236.00	327.00	375.00	NA	312.00	267.00	370.00	425.00	227.50	353.00	303.50	420.00	483.00	258.50	403.00	330.00	459.00	527.00	282.00	440.00	377.00	524.00	601.00	323.00	508.00	432.00	606.00	696.00	374.00	589.00	501.00	703.00	805.00	435.00	677.00	555.00	770.00	885.00	478.00	752.00	647.00	905.00	1036.00	562.00	884.00	590.00	478.00	667.00	583.00
6A73ECMEDIUM	306.50	426.00	489.00	260.50	406.00	346.50	482.00	553.00	295.00	460.00	393.00	547.00	628.00	335.00	524.00	429.00	597.00	686.00	366.00	572.00	489.75	682.00	784.00	419.00	661.00	562.00	789.00	908.00	485.00	767.00	652.00	915.00	1053.00	564.00	882.00	723.00	1005.00	1155.00	620.00	979.00	840.00	1180.00	1355.00	729.00	1152.00	770.00	623.00	870.00	760.00
6A73ECSTANDARD	339.00	472.00	541.00	288.00	449.00	383.50	534.00	613.00	326.00	509.00	435.00	606.00	696.00	371.00	580.00	475.00	661.00	759.00	405.00	633.00	543.00	755.00	868.00	463.00	732.00	622.00	874.00	1004.00	537.00	848.00	721.00	1012.00	1164.00	623.00	975.00	800.00	1111.00	1277.00	685.00	1083.00	929.00	1305.00	1497.00	806.00	1272.00	852.00	688.00	964.00	842.00
6A82ECLOW	NA	348.00	399.00	NA	331.50	NA	393.00	451.00	NA	376.00	322.50	447.00	513.00	NA	427.50	351.00	487.00	559.00	NA	467.00	401.00	556.00	639.00	343.00	540.00	459.00	643.00	738.00	398.00	625.00	533.00	745.00	855.00	462.00	719.00	590.00	818.00	937.00	507.00	797.00	687.00	958.00	1098.00	597.00	938.00	626.00	508.00	708.00	619.00
6A82ECMEDIUM	367.00	509.00	585.00	311.00	485.00	414.00	576.00	662.00	352.00	550.00	470.00	654.00	752.00	401.00	626.00	513.00	714.00	820.00	437.00	684.00	586.00	815.00	938.00	500.00	790.00	671.00	944.00	1085.00	580.00	915.00	779.00	1094.00	1257.00	674.00	1054.00	864.00	1201.00	1380.00	740.00	1168.00	1005.00	1408.00	1617.00	872.00	1375.00	920.00	743.00	1039.00	908.00
6A82ECSTANDARD	400.00	557.00	639.00	340.00	530.00	452.00	630.00	723.00	385.00	601.00	514.00	715.00	822.00	437.00	684.00	560.00	780.00	897.00	477.00	747.00	640.00	891.00	1025.00	546.00	864.00	733.00	1030.00	1185.00	633.00	1000.00	850.00	1195.00	1373.00	735.00	1150.00	943.00	1310.00	1507.00	808.00	1275.00	1095.00	1538.00	1766.00	950.00	1500.00	1006.00	812.00	1135.00	993.00
6A91ECLOW	NA	454.00	521.00	NA	433.00	NA	513.00	589.00	NA	490.00	420.00	584.00	670.00	NA	558.00	458.00	637.00	731.00	NA	610.00	524.00	728.00	836.00	448.00	706.00	600.00	841.00	966.00	519.00	818.00	695.00	975.00	1119.00	603.00	941.00	772.00	1069.00	1228.00	663.00	1044.00	898.00	1257.00	1440.00	780.00	1227.00	819.00	664.00	926.00	811.00
6A91ECMEDIUM	NA	552.00	633.00	NA	526.00	449.00	624.00	717.00	NA	856.00	510.00	709.00	814.00	434.00	679.00	556.00	774.00	889.00	474.00	741.00	635.00	885.00	1015.00	543.00	857.00	728.00	1024.00	1175.00	629.00	994.00	845.00	1187.00	1362.00	732.00	1143.00	937.00	1304.00	1498.00	804.00	1269.00	1090.00	1530.00	1758.00	947.00	1494.00	997.00	806.00	1129.00	984.00
6A91ECSTANDARD	450.00	626.50	718.00	NA	596.00	509.00	709.00	814.00	433.00	676.00	578.00	805.00	925.00	492.00	769.00	631.00	878.00	1008.00	538.00	840.00	721.00	1004.00	1153.00	615.50	972.00	825.00	1160.00	1332.00	712.00	1127.00	958.00	1346.00	1546.00	828.00	1296.00	1062.00	1475.00	1695.00	910.00	1436.00	1236.00	1732.00	1990.00	1070.00	1690.00	1132.00	915.00	1280.00	1118.00
6A100ECLOW	NA	718.00	825.00	NA	684.00	584.00	812.00	932.00	NA	776.00	664.00	924.00	1061.00	566.00	884.00	724.00	1008.00	1158.00	619.00	965.00	828.00	1152.00	1323.00	707.00	1116.00	949.00	1333.00	1530.00	819.00	1295.00	1102.00	1545.00	1775.00	952.00	1490.00	1221.00	1698.00	1950.00	1048.00	1652.00	1419.00	1995.00	2290.00	1233.00	1945.00	1297.00	1052.00	1468.00	1283.00
6A100ECMEDIUM	576.00	800.00	919.00	NA	762.00	652.00	905.00	1041.00	554.40	865.00	739.00	1030.00	1182.00	630.00	984.00	806.00	1123.00	1290.00	688.00	1075.00	922.00	1284.00	1476.00	787.00	1244.00	1055.00	1485.00	1705.00	912.00	1442.00	1225.00	1723.00	1979.00	1060.00	1658.00	1360.00	1890.00	2172.00	1165.00	1840.00	1580.00	2222.00	2550.00	1372.00	2165.00	1448.00	1171.00	1638.00	1430.00
6A100ECSTANDARD	627.00	871.00	1000.00	NA	830.00	708.00	985.00	1133.00	603.00	941.00	804.00	1121.00	1287.00	685.00	1072.00	878.00	1221.00	1405.00	748.00	1170.00	1002.00	1398.00	1605.00	855.00	1353.00	1148.00	1614.00	1855.00	991.00	1568.00	1334.00	1871.00	2150.00	1153.00	1802.00	1478.00	2055.00	2360.00	1266.00	2002.00	1717.00	2416.00	2773.00	1490.00	2352.00	1575.00	1272.00	1780.00	1554.00
6A109ECLOW	NA	878.00	1006.00	NA	836.00	715.00	992.00	1140.00	NA	948.00	810.00	1128.00	1295.00	NA	1080.00	884.00	1230.00	1414.00	755.00	1180.00	1012.00	1405.00	1615.00	865.00	1363.00	1160.00	1626.00	1868.00	1002.00	1580.00	1345.00	1888.00	2170.00	1165.00	1820.00	1490.00	2075.00	2380.00	1280.00	2020.00	1735.00	2435.00	2795.00	1508.00	2375.00	1585.00	1282.00	1792.00	1565.00
6A109ECMEDIUM	725.00	1008.00	1155.00	NA	960.00	820.00	1140.00	1308.00	NA	1088.00	930.00	1295.00	1488.00	792.00	1237.00	1015.00	1412.00	1624.00	865.00	1352.00	1160.00	1614.00	1855.00	990.00	1565.00	1328.00	1870.00	2145.00	1148.00	1815.00	1540.00	2165.00	2490.00	1335.00	2088.00	1710.00	2380.00	2735.00	1465.00	2315.00	1990.00	2795.00	3210.00	1725.00	2730.00	1820.00	1472.00	2058.00	1798.00
6A109ECSTANDARD	802.00	1115.00	1279.00	NA	1062.00	906.00	1262.00	1448.00	770.00	1205.00	1030.00	1432.00	1648.00	876.00	1370.00	1124.00	1564.00	1798.00	956.00	1498.00	1282.00	1788.00	2052.00	1096.00	1730.00	1472.00	2068.00	2375.00	1270.00	2006.00	1705.00	2398.00	2755.00	1475.00	2310.00	1890.00	2635.00	3025.00	1620.00	2565.00	2200.00	3090.00	3550.00	1910.00	3015.00	2015.00	1628.00	2280.00	1992.00