



# COOLING TECHNOLOGY INSTITUTE

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## Composite Cooling Solutions, Inc. (CCS) Line of PermaLite (PLC) CTI Certified Cooling Towers CTI Certification Validation Number C79A-17R00 January 30, 2017 (Revision 0)

### PermaLite Type “A” Fill Material

1S-PLC0707-1003-A2	1S-PLC0721-1009-A3	1S-PLC0812-1005-A4	1S-PLC1118-1511-A3
1S-PLC0707-1503-A2	1S-PLC0721-1010-A2	1S-PLC0812-1006-A2	1S-PLC1118-1512-A2
	1S-PLC0721-1509-A3	1S-PLC0812-1006-A3	1S-PLC1118-2011-A3
1S-PLC0711-1003-A2	1S-PLC0721-1510-A2	1S-PLC0812-1505-A4	1S-PLC1118-2012-A2
1S-PLC0711-1004-A3	1S-PLC0721-2009-A3	1S-PLC0812-1506-A2	1S-PLC1118-2511-A3
1S-PLC0711-1503-A2	1S-PLC0721-2010-A2	1S-PLC0812-1506-A3	1S-PLC1118-2512-A2
1S-PLC0711-1504-A3	1S-PLC0721-2509-A3	1S-PLC0812-2005-A3	1S-PLC1118-3011-A3
1S-PLC0711-2004-A3	1S-PLC0721-2510-A2	1S-PLC0812-2005-A4	1S-PLC1118-3012-A2
1S-PLC0711-2005-A2	1S-PLC0721-3009-A3	1S-PLC0812-2006-A2	1S-PLC1118-4011-A3
	1S-PLC0721-3010-A2	1S-PLC0812-2006-A3	1S-PLC1118-4012-A2
1S-PLC0714-1006-A2	1S-PLC0721-4009-A3	1S-PLC0812-2506-A2	1S-PLC1118-5011-A3
1S-PLC0714-1006-A3	1S-PLC0721-4010-A2	1S-PLC0812-2506-A3	1S-PLC1118-5012-A2
1S-PLC0714-1506-A2	1S-PLC0721-5010-A3	1S-PLC0812-2506-A4	1S-PLC1118-6012-A3
1S-PLC0714-1506-A3		1S-PLC0812-3006-A3	
1S-PLC0714-2006-A2		1S-PLC0812-3006-A4	1S-PLC1121-1013-A3
1S-PLC0714-2006-A3			1S-PLC1121-1015-A2
1S-PLC0714-2506-A2			1S-PLC1121-1514-A3
1S-PLC0714-2506-A3			1S-PLC1121-1515-A2
1S-PLC0714-3006-A3			1S-PLC1121-2014-A3
			1S-PLC1121-2015-A2
1S-PLC0718-1007-A3			1S-PLC1121-2513-A3
1S-PLC0718-1008-A2			1S-PLC1121-2515-A2
1S-PLC0718-1507-A3			1S-PLC1121-3013-A3
1S-PLC0718-1508-A2			1S-PLC1121-3015-A2
1S-PLC0718-2007-A3			1S-PLC1121-4013-A3
1S-PLC0718-2008-A2			1S-PLC1121-4015-A2
1S-PLC0718-2507-A3			1S-PLC1121-5013-A3
1S-PLC0718-2508-A2			1S-PLC1121-5015-A2
1S-PLC0718-3007-A3			1S-PLC1121-6013-A3
1S-PLC0718-3008-A2			1S-PLC1121-6015-A2
1S-PLC0718-4008-A3			1S-PLC1121-7515-A3

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**Line of PermaLite (PLC) CTI Certified Cooling Towers**  
**CTI Certification Validation Number C79A-17R00**  
**January 30, 2017 (Revision 0)**

**PermaLite Type “D” Fill Material**

1S-PLC0707-1003-D3	1S-PLC0721-1010-D3	1S-PLC0812-1006-D3	1S-PLC1118-1512-D3
1S-PLC0707-1503-D3	1S-PLC0721-1010-D4	1S-PLC0812-1006-D4	1S-PLC1118-1512-D4
	1S-PLC0721-1510-D3	1S-PLC0812-1506-D3	1S-PLC1118-2012-D3
1S-PLC0711-1003-D3	1S-PLC0721-1510-D4	1S-PLC0812-1506-D4	1S-PLC1118-2012-D4
1S-PLC0711-1003-D4	1S-PLC0721-2010-D3	1S-PLC0812-2005-D4	1S-PLC1118-2512-D3
1S-PLC0711-1503-D3	1S-PLC0721-2010-D4	1S-PLC0812-2006-D3	1S-PLC1118-2512-D4
1S-PLC0711-1503-D4	1S-PLC0721-2510-D3	1S-PLC0812-2006-D4	1S-PLC1118-3012-D3
1S-PLC0711-2005-D3	1S-PLC0721-2510-D4	1S-PLC0812-2506-D3	1S-PLC1118-3012-D4
1S-PLC0711-2005-D4	1S-PLC0721-3010-D3	1S-PLC0812-2506-D4	1S-PLC1118-4012-D3
	1S-PLC0721-3010-D4	1S-PLC0812-3006-D3	1S-PLC1118-4012-D4
1S-PLC0714-1006-D4	1S-PLC0721-4010-D3	1S-PLC0812-3006-D4	1S-PLC1118-5012-D3
1S-PLC0714-1506-D4	1S-PLC0721-4010-D4		1S-PLC1118-5012-D4
1S-PLC0714-2006-D3	1S-PLC0721-5010-D4		1S-PLC1118-6012-D4
1S-PLC0714-2006-D4			
1S-PLC0714-2506-D3			1S-PLC1121-1015-D3
1S-PLC0714-2506-D4			1S-PLC1121-1015-D4
1S-PLC0714-3006-D4			1S-PLC1121-1515-D3
			1S-PLC1121-1515-D4
1S-PLC0718-1008-D3			1S-PLC1121-2015-D3
1S-PLC0718-1008-D4			1S-PLC1121-2015-D4
1S-PLC0718-1508-D3			1S-PLC1121-2515-D3
1S-PLC0718-1508-D4			1S-PLC1121-2515-D4
1S-PLC0718-2008-D3			1S-PLC1121-3015-D3
1S-PLC0718-2008-D4			1S-PLC1121-3015-D4
1S-PLC0718-2508-D3			1S-PLC1121-4014-D4
1S-PLC0718-2508-D4			1S-PLC1121-4015-D3
1S-PLC0718-3008-D3			1S-PLC1121-5014-D4
1S-PLC0718-3008-D4			1S-PLC1121-5015-D3
1S-PLC0718-4008-D4			1S-PLC1121-6014-D4
			1S-PLC1121-6015-D3
			1S-PLC1121-7515-D4

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### **Footnotes Accessories/Options PLC Models**

- 1) Models listed are for single cells. Multiple cell models of the single cell models are available. Air inlet height increases to maintain single cell capacity for end to end in line multiple cell configurations.
- 2) Non-standard model configurations require capacity adjustments.
- 3) Certification includes two approved fill suppliers for Fill type "A" with no impact on rated capacity.
- 4) Certification includes Fill type "A" for clean water applications.
- 5) Certification includes low fouling characteristic Fill type "D".
- 6) Certification includes use of side, end, or bottom water inlet and outlet configurations.
- 7) Certification includes optional access features such as external platform and ladders for access.
- 8) Certification includes optional features that do not affect thermal performance.
- 9) Certification includes basin and a no basin option.
- 10) Certification includes smart fan technology with built in VFD, 0-10 V, and 4-20 Ma control.
- 11) Certification includes smart fan technology with optional built in MODBUS, CANOPEN, LON, PROFIBUS network interface controllers.
- 12) Certification includes compact modular fan design with high efficiency direct drive EC permanent magnet motors
- 13) Certification includes fan screens.
- 14) Certification includes single point customer interface for fan power and control wiring.
- 15) Certified Model Number Examples:  
Single Cell : 3S-PLC812-2005-A3 3 denotes cell qty, S denotes single cells  
Multi Cell : 3I-PLC812-2005-A3 3 denotes cell qty, I denotes multi-cell inline