



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

Baltimore Aircoil Company, Inc.
Series 3000A, C, D, E, Compass and Smart Line of CTI Certified Cooling Towers
CTI Certification Validation Number C11F-92R18
December 16, 2016 (Revision 18)

3000A

3240A-GM	3412A-GM	3473A-HM	3872A-KM	3583A-JM	31130A-LM
3240A-HM	3412A-HM	3473A-JM	3872A-LM	3583A-KM	31130A-MM
3240A-JM	3412A-JM	3473A-KM	3872A-MM	3583A-LM	31130A-NM
3240A	3412A-KM	3473A-LM	3872A-NM	3583A-MM	31130A-OM
3272A	3412A-LM	3473A-MM	3872A-OM	3583A	31130A-PM
3299A	3412A-MM	3473A	3872A-PM	3618A	31130A-QM
	3412A	3501A	3872A	3676A	31130A-RM
	3436A		3923A	3725A	31130A
			3970A	3719A	31212A
3333A-GM	3455A-GM	3552A-JM	3918A-KM	31132A-LM	31213A-MM
3333A-HM	3455A-HM	3552A-KM	3918A-LM	31132A-MM	31213A-NM
3333A-JM	3455A-JM	3552A-LM	3918A-MM	31132A-NM	31213A-OM
3333A-KM	3455A-KM	3552A-MM	3918A-NM	31132A-OM	31213A-PM
3333A-LM	3455A-LM	3552A-NM	3918A-OM	31132A-PM	31213A-QM
3333A	3455A-MM	3552A	3918A-PM	31132A-QM	31213A-RM
3358C	3455A	3604A	3918A-QM	31132A-RM	31213A
3379A	3482A	3648A	3918A	31132A	31301A
	3527A	3672A	3984A	31186A	31396A
3371A-GM		3728A-KM	3985A-LM		
3371A-HM		3728A-LM	3985A-MM		
3371A-JM		3728A-MM	3985A-NM		
3371A-KM		3728A-NM	3985A-OM		
3371A-LM		3728A-OM	3985A-PM		
3371A-MM		3728A	3985A-QM		
3371A		3781A	3985A		
3393A		3828A	31056A		
3430A		3871A	31133A		

Model numbers listed above are for units with standard fans.
 Add suffix /Q to any model number for units with optional low sound fans.

See Series 3000A, C, & D Footnotes for Additional Options and Information



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3000C

3240C-GM	3412C-GM	3473C-HM	3872C-KM	3583C-JM	31130C-LM
3240C-HM	3412C-HM	3473C-JM	3872C-LM	3583C-KM	31130C-MM
3240C-JM	3412C-JM *	3473C-KM *	3872C-MM	3583C-LM	31130C-NM
3240C	3412C-KM *	3473C-LM *	3872C-NM	3583C-MM *	31130C-OM
3272C	3412C-LM *	3473C-MM *	3872C-OM *	3583C	* 31130C-PM *
3299C	3412C-MM *	3473C	* 3872C-PM *	3618C	* 31130C-QM *
	3412C *	3501C	* 3872C	* 3676C	* 31130C-RM *
	3436C *		3923C	* 3725C	* 31130C
			3970C	* 3719C	* 31212C *
3333C-GM	3455C-GM	3552C-JM	3918C-KM	31132C-LM	31213C-MM
3333C-HM	3455C-HM	3552C-KM	3918C-LM	31132C-MM	31213C-NM
3333C-JM	3455C-JM	3552C-LM *	* 3918C-MM	31132C-NM	31213C-OM
3333C-KM	3455C-KM *	3552C-MM *	* 3918C-NM	31132C-OM	31213C-PM
3333C-LM	3455C-LM *	3552C-NM *	* 3918C-OM *	31132C-PM *	31213C-QM *
3333C	3455C-MM *	3552C	* 3918C-PM *	31132C-QM *	* 31213C-RM *
3358C	3455C	* 3604C	* 3918C-QM *	31132C-RM *	* 31213C
3379C	3482C	* 3648C	* 3918C	* 31132C	* 31301C *
	3527C *	3672C	* 3984C	* 31186C	* 31396C *
3371C-GM		3728C-KM	3985C-LM		
3371C-HM		3728C-LM	3985C-MM		
3371C-JM		3728C-MM	3985C-NM		
3371C-KM		3728C-NM *	* 3985C-OM		
3371C-LM		3728C-OM *	* 3985C-PM *		
3371C-MM		3728C	* 3985C-QM *		
3371C		3781C	* 3985C		
3393C		3828C	* 31056C		
3430C		3871C	* 31133C		

Model numbers listed above are for units with standard fans.

Add suffix /Q to any model number for units with optional low sound fans.

Add suffix /W to any model number indicated with "*" for optional Whisper Quiet Fans.

See Series 3000A, C, & D Footnotes for Additional Options and Information



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3000D (S3-D)

S3-D240HL	S3-D412HL	S3-D473JL	S3-D872LL	S3-D583JL	S3-D1213ML
S3-D240GL	S3-D412GL	S3-D473HL	S3-D872KL	S3-D583KL	S3-D1213NL
S3-D240JL	S3-D412JL	S3-D473KL	S3-D872ML	S3-D583LL	S3-D1213OL
S3-D240L	S3-D412KL	S3-D473LL	S3-D872NL	S3-D583ML	S3-D1213PL
S3-D272L	S3-D412LL	S3-D473ML	S3-D872OL	S3-D583L	S3-D1213QL
S3-D299L	S3-D412ML	S3-D473L	S3-D872PL	S3-D618L	S3-D1213RL
	S3-D412L	S3-D501L	S3-D872L	S3-D676L	S3-D1213L
	S3-D436L		S3-D923L	S3-D725L	S3-D1301L
			S3-D970L		
S3-D333GL	S3-D455GL	S3-D552JL	S3-D985ML	S3-D1132ML	
S3-D333HL	S3-D455HL	S3-D552KL	S3-D985LL	S3-D1132LL	
S3-D333JL	S3-D455JL	S3-D552LL	S3-D985NL	S3-D1132NL	
S3-D333KL	S3-D455KL	S3-D552ML	S3-D985OL	S3-D1132OL	
S3-D333LL	S3-D455LL	S3-D552NL	S3-D985PL	S3-D1132PL	
S3-D333L	S3-D455ML	S3-D552L	S3-D985QL	S3-D1132QL	
S3-D358L	S3-D455L	S3-D604L	S3-D985L	S3-D1132RL	
S3-D379L	S3-D482L	S3-D648L	S3-D1056L	S3-D1132L	
	S3-D527L	S3-D672L			
		S3-D728KL			
		S3-D728LL			
		S3-D728ML			
		S3-D728NL			
		S3-D728OL			
		S3-D728L			
		S3-D781L			
		S3-D828L			

Model numbers listed above are for units with low sound fans and ISO fan guards as standard.

See Series 3000A, C, & D Footnotes for Additional Options and Information



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Series 3000 A, C, & D
Optional Accessories and Construction Table – Certification Status

Option	Suffix Note 1	CTI Certified	Capacity Adjustment Required
Access Platforms – External	L	Yes	No
Service Platform – Internal	P	Yes	No
Energy-Miser [®] Fan System	none	Yes	No
Discharge Sound Attenuation	Z	Yes	No
Two Drift Eliminator Sets	E	Yes	Yes, Note 2
Gear Drive	G	Yes	No
Low Sound Fan	/Q	Yes	Yes, Note 3
Whisper Quiet Fan	/W	Yes	Yes, Note 4
Non-Standard Motor Size	M	Note 5	Yes, Note 5
Velocity Recovery Fan Stack	V	Yes	Yes, Note 6
European Models	none	Yes	Yes, Note 7
Structural Upgrade	S	Yes	Yes, Note 8
Not CTI Certified	X	No	Note 9
Alternate Drive	D	Yes	Note 10

Footnotes:

- Typically no suffix is used for an accessory or modification that does not affect capacity.
- Two sets of drift eliminators incur a capacity reduction of 2% relative to the standard unit.
- Low Sound Fans on Series 3000A, C & D cooling towers incur a capacity reduction of 3% relative to the same unit with a standard fan.
- Whisper Quiet Fans on applicable models of Series 3000A, C & D cooling towers incur a capacity reduction of 5% relative to the same unit with a standard fan.
- Units with non-standard motor sizes are certified only if they are listed in the Data of Record and sold at the revised capacity listed in the rating table.
- Velocity Recovery Fan Stacks increase the capacity of the tower by 3 to 6%, depending upon the model and the operating conditions. Refer to the Model Selection tables at the BAC website (www.BaltimoreAircoil.com) to determine the effect on a particular model at the specific operating condition.
- European models (beginning with S3-D) utilize low sound fans as standard and a different fan guard from the North American models. Therefore they incur a capacity reduction of 5%. (3% for low sound fans plus 2% for fan guard) compared to the North American models.
- The structural upgrade construction option incurs a capacity reduction of 5% for the single piece units and 3% for the two piece units.
- This suffix is affixed to model numbers of units that are not CTI Certified, due either to application or product accessories or modifications.
- Available on 3000C models with between 20 and 100 total fan HP. Direct Drive fan system without gearbox or belt will increase the capacity by 1.3% relative to the standard unit.



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3000E

XES3E-8518-05G †	XES3E-1020-06G	XES3E-1222-06H	XES3E-1222-12K	XES3E-1424-07J	XES3E-1424-13L
XES3E-8518-05H †	XES3E-1020-06H	XES3E-1222-06J	XES3E-1222-12L	XES3E-1424-07K	XES3E-1424-13M
XES3E-8518-05J †	XES3E-1020-06J *	XES3E-1222-06K *	XES3E-1222-12M	XES3E-1424-07L	XES3E-1424-13N
XES3E-8518-05K †	XES3E-1020-06K *	XES3E-1222-06L *	XES3E-1222-12N	XES3E-1424-07M *	XES3E-1424-13O
S3E-8518-05L †	XES3E-1020-06L *	S3E-1222-06M *	XES3E-1222-12O *	XES3E-1424-07N *	XES3E-1424-13P *
S3E-8518-05M †	S3E-1020-06M *	S3E-1222-06N *	S3E-1222-12P *	S3E-1424-07O *	S3E-1424-13Q *
	S3E-1020-06N *	S3E-1222-06O *	S3E-1222-12Q *	S3E-1424-07P *	S3E-1424-13R *
	S3E-1020-06O *		S3E-1222-12R *	S3E-1424-07Q *	S3E-1424-13S *
			S3E-1222-12S *	S3E-1424-07R *	S3E-1424-13T *
XES3E-8518-06G †	XES3E-1020-07G	XES3E-1222-07J	XES3E-1222-13K	XES3E-1424-12L	XES3E-1424-14M
XES3E-8518-06H †	XES3E-1020-07H	XES3E-1222-07K	XES3E-1222-13L	XES3E-1424-12M	XES3E-1424-14N
XES3E-8518-06J †	XES3E-1020-07J	XES3E-1222-07L *	XES3E-1222-13M	XES3E-1424-12N	XES3E-1424-14O
XES3E-8518-06K †	XES3E-1020-07K *	XES3E-1222-07M *	XES3E-1222-13N	XES3E-1424-12O	XES3E-1424-14P
S3E-8518-06L †	XES3E-1020-07L *	S3E-1222-07N *	XES3E-1222-13O *	XES3E-1424-12P *	S3E-1424-14Q *
S3E-8518-06M †	S3E-1020-07M *	S3E-1222-07O *	S3E-1222-13P *	S3E-1424-12Q *	S3E-1424-14R *
S3E-8518-06N †	S3E-1020-07N *	S3E-1222-07P *	S3E-1222-13Q *	S3E-1424-12R *	S3E-1424-14S *
S3E-8518-06O †	S3E-1020-07O *	S3E-1222-07Q *	S3E-1222-13R *	S3E-1424-12S *	S3E-1424-14T *
	S3E-1020-07P *	S3E-1222-07R *	S3E-1222-13S *	S3E-1424-12T *	S3E-1424-14U *
					S3E-1424-14W *
XES3E-8518-07G †		XES3E-1222-10K	XES3E-1222-14L		
XES3E-8518-07H †		XES3E-1222-10L	XES3E-1222-14M		
XES3E-8518-07J †		XES3E-1222-10M	XES3E-1222-14N		
XES3E-8518-07K †		XES3E-1222-10N *	XES3E-1222-14O		
XES3E-8518-07L †		XES3E-1222-10O *	S3E-1222-14P *		
S3E-8518-07M †		S3E-1222-10P *	S3E-1222-14Q *		
S3E-8518-07N †		S3E-1222-10Q *	S3E-1222-14R *		
S3E-8518-07O †		S3E-1222-10R *	S3E-1222-14S *		
S3E-8518-07P †		S3E-1222-10S *	S3E-1222-14T *		

Model numbers listed above are for units with standard fans.

Add suffix /F to any model number indicated with "†" for standard units which offer an alternate fan.

Add suffix /L to any model number for units with optional low sound fans.

Add suffix /W to any model number indicated with "*" for units with optional Whisper Quiet Fans.

See Series 3000E Footnotes for Additional Options and Information



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Series 3000 E
Optional Accessories and Construction Table – Certification Status

Option	Suffix Note 1	CTI Certified	Capacity Adjustment Required
Access Platforms – External	None	Yes	No
Service Platform – Internal	None	Yes	No
Air Intake Screens	None	Yes	No
Combined Inlet Shields	None	Yes	No
Baltiguard® Fan System	None	Yes	No
Discharge Sound Attenuation	None	Yes	No
High Temperature Fill	None	Yes	No
Gear Drive	None	Yes	No
Two Drift Eliminator Sets	E	Yes	Yes, Note 2
EU Fan Guard	H	Yes	Yes, Note 3
Alternate Fan	F	Yes	Yes, Note 4
Low Sound Fan	L	Yes	Yes, Note 5
Whisper Quiet Fan	W	Yes	Yes, Note 6
Non-Standard Motor Size	None	Note 7	Yes, Note 7
Velocity Recovery Fan Stack	V	Yes	Yes, Note 8
Structural Upgrade	S	Yes	Yes, Note 9
Not CTI Certified	X	No	Note 10
Alternate Drive	D	Yes	Yes, Note 11
Footnotes:			
1. Typically no suffix is used for an accessory or modification that does not affect capacity.			
2. Two sets of drift eliminators incur a capacity reduction of 2% relative to the standard unit.			
3. EU fan guards, which have different heights than North American fan guards and may require a fan cowl extension, have a capacity reduction of 2%.			
4. Alternate fan are required on S3E-8518 units for FM Listing and incur a capacity reduction of 6-8% relative to the same unit with standard fan.			
5. Low Sound Fans on Series 3000E cooling towers incur a capacity reduction of 3% relative to the same unit with a standard fan.			
6. Whisper Quiet Fans on applicable models of Series 3000E cooling towers incur a capacity reduction of 5% relative to the same unit with a standard fan.			
7. Units with non-standard motor sizes are certified only if they are listed in the Data of Record and sold at the revised capacity listed in the rating table.			
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Series 3000 E

Optional Accessories and Construction Table – Certification Status

8. Velocity Recovery Fan Stacks increase the capacity of the tower by 3 to 6%, depending upon the model and the operating conditions. Refer to the Model Selection tables at the BAC website (www.BaltimoreAircoil.com) to determine the effect on a particular model at the specific operating condition.
9. The structural upgrade construction option incurs a capacity reduction of 5% for the single piece units and 3% for the two piece units.
10. This suffix is affixed to model numbers of units that are not CTI Certified, due either to application or product accessories or modifications.
11. Available between 20 and 100 total fan HP. Direct Drive fan system without gearbox or belt will increase the capacity by 1.3% relative to the standard unit.



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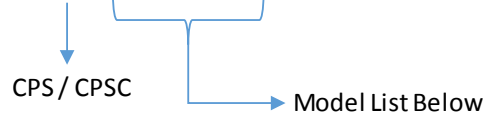
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Compass (CPS / CPSC)

Sample Model Number:

CPSC-0716-06G



0716-06G	1020-07K	1222-08K	1424-12N
0716-06H	1020-07L	1222-08L	1424-12O
0716-06J	1020-07M	1222-08M	1424-12P
0716-06K	1020-07N	1222-08N	1424-12Q
0716-06L	1020-07O	1222-08O	1424-12R
0716-06M		1222-08P	1424-12S
		1222-08Q	
0716-07H	1020-08K	1222-09K	1424-14N
0716-07J	1020-08L	1222-09L	1424-14O
0716-07K	1020-08M	1222-09M	1424-14P
0716-07L	1020-08N	1222-09N	1424-14Q
0716-07M	1020-08O	1222-09O	1424-14R
0716-07N	1020-08P	1222-09P	1424-14S
		1222-09Q	1424-14T
		1222-09R	
0817-07J	1020-09K	1222-10L	
0817-07K	1020-09L	1222-10M	
0817-07L	1020-09M	1222-10N	
0817-07M	1020-09N	1222-10O	
0817-07N	1020-09O	1222-10P	
0817-07O	1020-09P	1222-10Q	
	1020-09Q	1222-10R	
0817-08J		1222-12L	
0817-08K		1222-12M	
0817-08L		1222-12N	
0817-08M		1222-12O	
0817-08N		1222-12P	
0817-08O		1222-12Q	
0817-08P		1222-12R	
		1222-14M	
		1222-14N	
		1222-14O	
		1222-14P	
		1222-14Q	
		1222-14R	
		1222-14S	

See Compass (CPS / CPSC) & SMT Footnotes for Additional Options and Information



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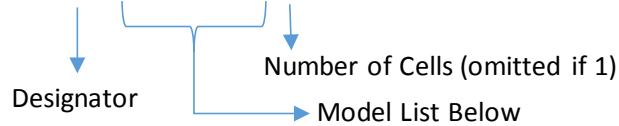
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Smart (SMT)

Sample Model Number:

SMT-0814-07L-2



SMT-0713-04G
SMT-0713-04H
SMT-0713-04J

SMT-0713-06H
SMT-0713-06J
SMT-0713-06K

SMT-0814-06H
SMT-0814-06J
SMT-0814-06K
SMT-0814-06L

SMT-0713-05G
SMT-0713-05H
SMT-0713-05J
SMT-0713-05K

SMT-0713-07H
SMT-0713-07J
SMT-0713-07K
SMT-0713-07L

SMT-0814-07H
SMT-0814-07J
SMT-0814-07K
SMT-0814-07L

See Compass (CPS / CPSC) & SMT Footnotes for Additional Options and Information



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Compass (CPS / CPSC) & SMT Optional Accessories and Construction – Certification Status

Option	Suffix Note 1	CTI Certified	Capacity Adjustment Required
Low Sound Fan	Q	Yes	Yes, Note 2
Two Drift Eliminator Sets	E	Yes	Yes, Note 3
Non-Standard Motor	M	Yes	Yes, Note 4
Alternate Fan	None	Yes	No, Note 5
Combined Inlet Shields	None	Yes	Yes, Note 6
Not CTI Certified	X	No	Note 7

Footnotes:

1. Typically no suffix is used for an accessory or modification that does not affect capacity.
2. Low sound fans on Series Compass Cooling Towers incur a capacity reduction of 3% relative to the same unit with a standard fan. The capacity reduction incurred due to low sound fans in SMT towers is 0%-2% relative to the same unit with standard fan.
3. Two drift eliminator sets on Series Compass Cooling Towers incur a capacity reduction of 2% relative to the standard unit.
4. Units with non-standard motor sizes are certified only if they are listed in the Data of Record and sold at the revised capacity listed in the rating table.
5. Certification on Series Compass Cooling Towers includes an alternate fan supplier with no change in capacity.
6. The Combined inlet shields (CIS) option on Series Compass Cooling Towers is supplied as a customer option with the equivalent fill, without integral louvers, and will incur a capacity reduction of 2% relative to the standard unit.
7. This suffix is affixed to the model numbers of units that are not CTI Certified, due to application, product accessories, or modifications.
8. Multiple cell models of the single cell models above are also available and CTI certified but not listed.
9. Certification is applicable to units with galvanized steel, stainless steel and FRP materials of construction.