Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 01/22/14

Baltimore Aircoil Company, Inc.

Cooling Tower Selection Program

Version: 8.1.3 NA
Product data correct as of: November 11, 2013

Project Name:
Selection Name:
Project State/Province: Tennessee
Project Country: United States
Date: January 08, 2014

Model Information

Product Line: Low Profile Series V (VTL)
Model: VTL-272-P
Number of Units: 1
Fan Type: Standard Fan
Fan Motor: Full Speed, 40.00 BHP/Unit
Total Standard Fan Power: (1) 40.00 = 40.00 HP/Unit

Intake Option: None
Internal Option: None
Discharge Option: None
External Static Pressure: 0.00 in. H2O

Octave band and A-weighted sound pressure levels (Lp) are expressed in decibels (dB) reference 0.0002 microbar. Sound power levels (Lw) are expressed in decibels (dB) reference one picowatt. Octave band 1 has a center frequency of 63 Hertz.

Top
Sound Pressure (dB)

Octave Band	Distance 5 ft.	Distance 50 ft.
1	81	67
2	83	67
3	80	63
4	80	65
5	79	63
6	76	61
7	73	58
8	71	53
A-wgtd	**84**	**68**

Back
Sound Pressure (dB)

Octave Band	Distance 5 ft.	Distance 50 ft.
1	78	71
2	64	67
3	73	62
4	69	57
5	65	57
6	60	53
7	59	55
8	54	45
A-wgtd	**71**	**63**

End
Sound Pressure (dB)

Octave Band	Distance 5 ft.	Distance 50 ft.
1	80	69
2	75	67
3	76	67
4	78	64
5	77	64
6	75	62
7	73	61
8	68	55
A-wgtd	**82**	**69**

End
Sound Pressure (dB)

Octave Band	Distance 5 ft.	Distance 50 ft.
1	80	69
2	75	67
3	76	67
4	78	64
5	77	64
6	75	62
7	73	61
8	68	55
A-wgtd	**82**	**69**

Fan Side
Sound Pressure (dB)

Octave Band	Distance 5 ft.	Distance 50 ft.
1	82	72
2	74	68
3	76	66
4	79	62
5	76	62
6	73	60
7	70	58
8	65	51
A-wgtd	**81**	**67**

Sound Power (dB)

Octave Band	Center Frequency (Hertz)	Lw
1	63	102
2	125	99
3	250	97
4	500	95
5	1000	95
6	2000	93
7	4000	91
8	8000	85

Note: The use of frequency inverters (variable frequency drives) can increase sound levels.

COOLING TOWER SOUND DATA

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CITY OF PORTLAND, MAINE