

SOUND ACCEPTANCE TEST

EVANGELICAL CONGREGATIONAL SOCIETY IN MEDWAY

Serial Number: A230512447

Model Number: HM816

DOCUMENT ACCEPTANCE and RELEASE NOTICE

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APPROVED: _____ **DATE:** 06 / 20 / 2023

Polar King Representative

APPROVED: _____ **DATE:** ____/____/____

Medway Village Representative

NOTE: TESTING WAS PERFORMED AT POLARKING INTERNATIONAL AND NOT AT THE FACILITY WHERE OFFICAL TEST WILL BE PERFORMED THIS TEST ONLY PROVIDES A SAMLPE FOR CUSTOMER AND CANNOT PROVIDE AN EXACT REPLICA OF THE TEST BEING PERFORMED AT FACILITY

Purpose

To Provide an accurate sample of sound of the two condensing units running simultaneously at the distance given from the customer. This will provide a reference of sound to assure the noise does not go over the noise levels of the customer's request.

- Equipment Used to Perform Test
 - a BAFX Products Sound Level Meter
- Equipment Tested
 - Condenser FFAM-A10Z-CFV-075 (Cooler)
 - Condenser FFAP-A15Z-CFV-075 (Freezer).

Procedure

Place sound meter 6 ft away from cooler condensing unit and record environmental noise for 10 minutes.

After recording environmental noise both cooler and freezer condensers were turned on and ran simultaneously for 10 minutes and recorded.

To ensure noise did not go over noise requirements the sound meter was then placed in between both condensing units on the roof.

Results

6ft from Condenser

Based on the data shown the two condensers running simultaneously at a distance of 6ft away added 2.85 decibels to the average, 2.00 decibels to the maximum noise, and 4.70 decibels to the minimum environmental reading.

At Condenser

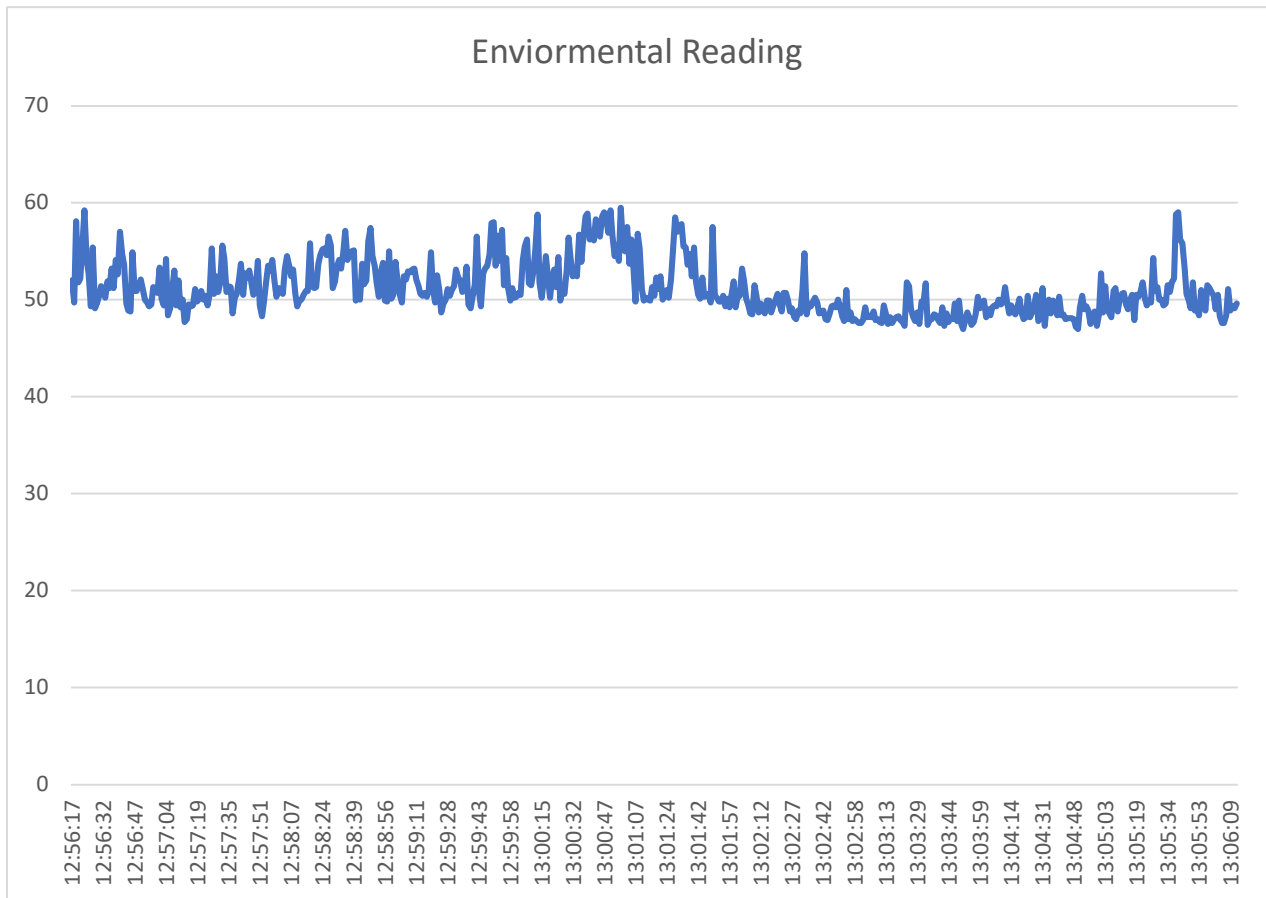
Based on the data shown the two condensers running simultaneously at the condensers added 15.93 decibels to the average, 8.60 decibels to the maximum noise, and 19.40 decibels to the minimum environmental reading.

Environmental Noise

Average = 51.12

Max = 59.5

Min = 47

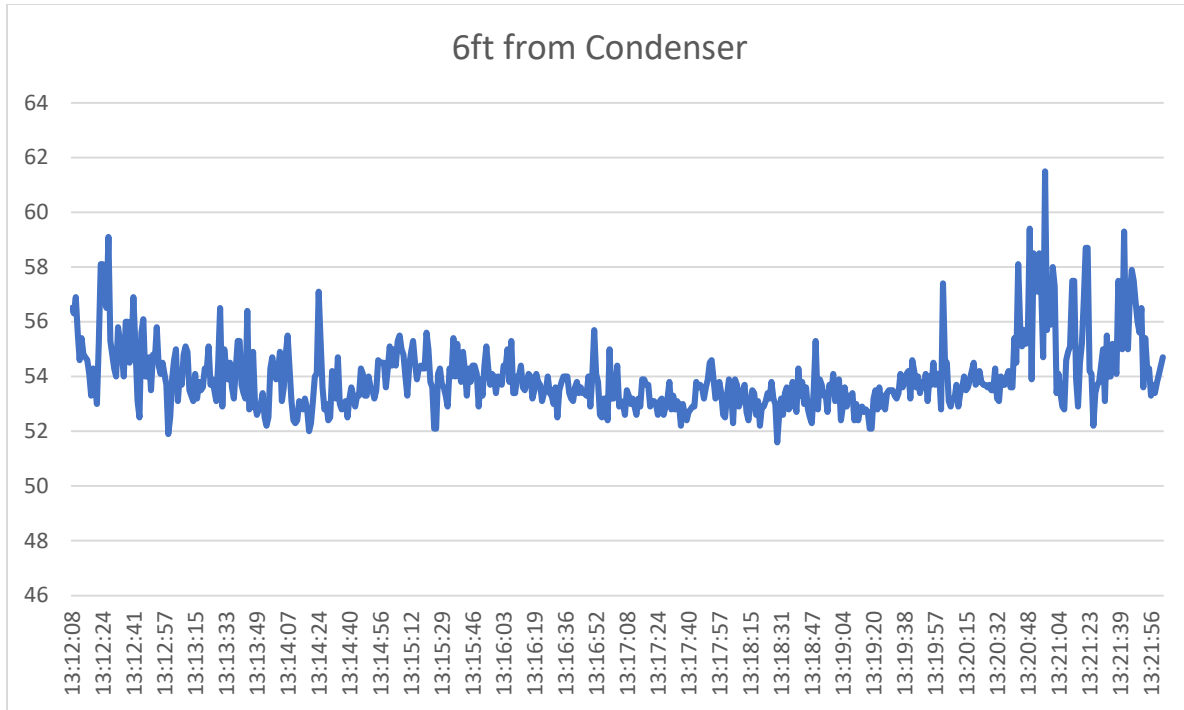


Condensers Running at 6 Ft away.

Average = 53.98

Max = 61.5

Min = 51.6



At the Condenser

Average = 67.06

Max = 68.1

Min = 66.4

