The corrections listed in this errata sheet apply to ANSI/ASHRAE Standard 41.11-2020. The first printing is identified on the outside back cover as “Product Code: 86213 11/20”.

**Page(s) Erratum**

6-7 **5.1 Steady-State Power Criteria for Test Points.** Revise Section 5.1 as shown below. Changes highlighted in yellow. Delete the published Figure 1 as shown below and replace it with the new Figure 1.

(Note: Additions are shown in underline and deletions are shown in strikethrough.)

[, …
Determine the mean offset, $\mu$, of the sampled offset data, $(P_i - bt_i)$, using Equation 5-3, and then calculate the standard deviation, $\sigma$, using Equation 5-4.

$$\mu = \frac{1}{N} \left[ \sum_{i=1}^{N} (P_i - bt_i) \right] \text{ W (hp)}$$  \hspace{1cm} (5-3)

$$\sigma = \left[ \frac{1}{(N-2)} \sum_{i=1}^{N} (P_i - bt_i - \mu)^2 \right]^{\frac{1}{2}} \text{ W (hp)}$$  \hspace{1cm} (5-4)

The mean of the sampled powers, $\bar{P}$, is defined by Equation 5-5.

$$\bar{P} = \frac{1}{N} \left[ \sum_{i=1}^{N} (P_i) \right] \text{ W (hp)}$$  \hspace{1cm} (5-5)

$\bar{P}$, as determined by Equation 5-5, represents the steady-state mean power provided that one of the following criteria is satisfied:

a. Apply Equation 5-6 if $2\sigma \geq P_L$ where $P_L$ is the specified operating tolerance limit for power, and if Equation 5-6 is satisfied by not less than 95% of the sampled powers.

The horizontal dotted lines, that are located $2\sigma$ above and below $\mu$, are the boundaries of the 95% sampled powers scatter envelope.

$$|P_i - \mu| \leq 2\sigma \text{ W (hp)}$$  \hspace{1cm} (5-6)

b. Apply Equation 5-7 if $P_L \geq 2\sigma$, $P_i > 2\sigma$ where $P_L$ is the specified operating tolerance limit for power, and if Equation 5-7 is satisfied by not less than 95% of the sampled powers.

$$|P_i - \mu| \leq P_L \text{ W (hp)}$$  \hspace{1cm} (5-7)
Informative Note: For further reading about this method of determining steady-state conditions, refer to Informative Annex A3, A4.

Published Figure 1:

![Published Figure 1: Illustration of the method for determining power criteria for test points](image)

New Figure 1:

![New Figure 1:](image)

FIGURE 1: Illustration of the method for determining power criteria for test points

8 5.5.2 Steady-State Power Criteria for Targeted Set Points. Revise Equation 5-16 as shown below.

(Note: Additions are shown in underline and deletions are shown in strikethrough.)

\[ b \Delta t \leq 0.50 T_e \quad \text{W (hp)} \quad (5-16) \]

\[ |b \Delta t| \leq 0.50 P_e \quad \text{W (hp)} \quad (5-16) \]