

ERRATA SHEET FOR
ANSI/AMCA STANDARD 207-17
Fan System Efficiency and Fan System Input Power Calculation

December 5, 2017

The corrections listed in this errata sheet apply to all copies of ANSI/AMCA Standard 207-17.

1. In section 4.1.3.1, paragraph 6
2. Table A1, "EPCA Nominal Motor Efficiency (60 Hz motors)

Editorial Errata

1. In section 4.1.3.1, paragraph 6, the term η_B should be η_R . The paragraph will then read (change is in red text),

“The combined motor and VFD efficiency is calculated in the following steps. First, the motor efficiency is calculated as

$$\eta_m = \eta_R \left(\frac{aL_m}{b + L_m} + cL_m^2 \right)$$

Where η_R is the nominal motor efficiency obtained from Table A1 (EPCA), Table A2 (IEC 63034-30-1) or Table A3 (GB 18613), depending on the applicable motor configuration. L_m is the motor load ratio calculated by”

2. Table A1, “EPCA Nominal Motor Efficiency (60 Hz motors)” is corrected on the following page. Values underlined and in red are the corrected values. All values in the Table were extracted from the e-CFR, 10 CFR 431.25, Table 5, “Nominal Full-Load Efficiencies of NEMA Design A, NEMA Design B and IEC Design N Motors (Excluding Fire Pump Electric Motors) at 60 Hz.”