

**SQUARE D****DOE 2016 Compliant****by Schneider Electric****Date: 11 Apr 18****Transformer Performance Data**

Tested in accordance with NEMA ST 20-2014 & 10 CFR Part 431 - April 2013

Catalog Number: EE50S3HBCU**kVA:** 50**Phase:** 1**Frequency:** 60 Hz**High Voltage:** 240 X 480**Low Voltage:** 120/240**Core Loss (No Load):** 153 watts**Coil Loss (Load):** 744 watts**Total Losses:** 897 watts**Insulation System Class:** 220 °C**Average Temperature Rise:** 80 °C**Hotspot Temperature Rise:** 100 °C

Efficiency:	1/4 Load	1/2 Load	3/4 Load	Full Load	35% Load @ 75°C DOE
	98.40%	98.64%	98.48%	98.21%	98.69% 2016

Impedance: 3.1%**X/R Ratio:** 1.84**Sound Level:** 45 dB**Inrush:** 15.3 x Rated Primary (RMS)**Regulation:** 1.0 pf 0.8 pf

1.52% 2.84%

BIL Rating: 10 kVBIL

Applied Potential Tests: HV - LV : 2 Seconds (120 cycles) at 3000 Vac
HV - GND : 2 Seconds (120 Cycles) at 3000 Vac
LV - GND : 2 Seconds (120 Cycles) at 3000 Vac

Induced Potential Test: 2 Minutes (7200 Cycles) at Twice Rated Voltage



Schneider Electric – Global Supply Chain North America

6 Commercial Road Huntington, IN 46750

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