



Technical Sales Specification Sheet

Manufacturer: Hitachi Energy USA Inc.
Equipment Type: Three-Phase Distribution Transformer
Cooling Class: ONAN
Frequency: 60 Hz

1) Nameplate Ratings

Base kVA: 1000 kVA
Primary Voltage: 13,200 V
Secondary Voltage: 480Y/277 V
Impedance: 5.64%
Temperature Rise: 65°C
Insulation Fluid: Mineral oil
PCB Content: Less than detectable level of PCB / < 1 ppm stated on nameplate
Compliance: DOE Compliant

2) BIL / Insulation Levels

HV BIL: 95 kV
LV BIL: 30 kV

3) Primary Tap Arrangement

The nameplate shows a **5-position de-energized tap changer** on the high-voltage side:

Tap Position HV Voltage HV Current

+2	13,860 V	41.66 A
+1	13,530 V	42.67 A
Nominal	13,200 V	43.74 A
-1	12,870 V	44.86 A
-2	12,540 V	46.04 A

This is effectively **±5% in 2.5% steps** around 13.2 kV.



4) Full-Load Currents

Primary FLA (at 13.2 kV): 43.74 A

Secondary FLA (calculated from 1000 kVA, 480 V, 3-phase): 1202.8 A

5) Approximate Weights

The weight block appears to read:

Component	Weight
Core & Coil	3,647 lbs
Tank / Fittings	2,648 lbs
Oil	1,955 lbs
Total	8,250 lbs

HITACHI

CLASS ONAN THREE PHASE DISTRIBUTION TRANSFORMER 60 HERTZ

1000 PRIMARY: B3EE019QHV SECONDARY: ILUJ25JC30872000A

HOVE RATIO: 13,200 VOLTS DELTA 5V.1E 13,200 VOLTS 4.24

480Y/277 VOLTS WYE

	PRIMARY PERFORMANCE	PRIMARY	TDP
IMPEDANCE 5.64%	+13860	41.66	+6.5%
TEMPERATURE RISE 65°C RISE	+13530	42.67	+2.5%
INSULATION FLUID MINERAL OIL	-13200	43.74	0.0%
PCB CONTENT < 1 PPM DETECTABLE LEVEL	-12870	44.86	-2.5%
DOE COMPLIANT	-12540	46.04	-5.0%

BIL: HV 3,647 LB. TANK 2,648 LB. FITTINGS 1,955 LB. OIL 1,955 LB. TOTAL 8,250 LB.

Model/Style: B3EE019QHV
Serial No.: ILUJ25JC30872000A

Hitachi Energy USA Inc. CODE/SPEC: ICT-25

