# TRANSFORMER DATA SHEET

DATE : 06/20/2026
CUSTOMER : HVES
CIRCUIT/LOCATION : HVES #109
MANUFACTURER : Westinghouse
TRANSFORMER TYPE : Pad Mount CLASS : OA
S/N : 87JE916058

THREE PHASE ☒ SINGLE PHASE ☐ : 60 HERTZ
VOLTAGE RATING: 13200 - 120Y/208
KVA RATING: 300 Continuous, Self Cooled
Continuous, Forced Air

LV WINDING: ALUMINUM
HV WINDING: ALUMINUM
LV: 65°C rise, BIL: 30 kV
HV: 65°C rise, BIL: 95 kV

NAMEPLATE DATA

| | |
|---|---|
| Core & Coils | |
| Case & Fittings | |
| Oil in Gallons | |
| Weight in Pounds | 3534 |

Fluid Type : Mineral Oil

Impedance volts : 3.77 % at rated volts at : 300 KVA

**TRANSFORMER TEST DATA**

MEGGER TEST RESULTS

| | 1 Minute | | | | POLARIZATION INDEX | CAPACITANCE | |
|---|---|---|---|---|---|---|---|
| High-> Ground | 20k | M-Ohms, @ | 5 | kV DC | 1.2 | 0.02 | micro-farad |
| Low -> Ground | 15k | M-Ohms, @ | 0.5 | kV DC | 1.1 | 0.02 | micro-farad |
| High-> Low | 10k | M-Ohms, @ | 0.5 | kV DC | 1.1 | 0.02 | micro-farad |

TRANSFORMER TTR TESTS

| TAP (V) | CALC. TTR | PHASE 1 | PHASE 2 | PHASE 3 |
|---|---|---|---|---|
| 13860 | | | | |
| 13530 | | | | |
| 13200 | 110.000 | 110.095 | 109.995 | 110.096 |
| 12870 | | | | |
| 12540 | | | | |
| | | | | |
| | | | | |
| | | | | |

COMMENTS

Style: A374533BJJ

06/20/2026 Transformer cleaned and inspected. Oil samples collected for analysis.
Temperature: Satisfactory
Oil Level: Satisfactory
Pressure-vacuum Gauge: Satisfactory
No oil leaks observed.

# Westinghouse®

CLASS OA
THREE PHASE
60 HERTZ

T
S

| KVA | CONT RISE °C | STYLE | SERIAL |
|---|---|---|---|
| 300 | a | A37A533BJJ | 87JE8160 |

| HV |
|---|
| 13200 |

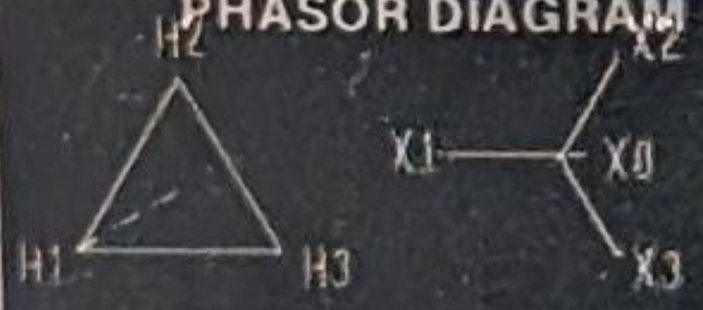
| LV | HV BIL | % IMP |
|---|---|---|
| 208Y/120 | 95 | 3. |

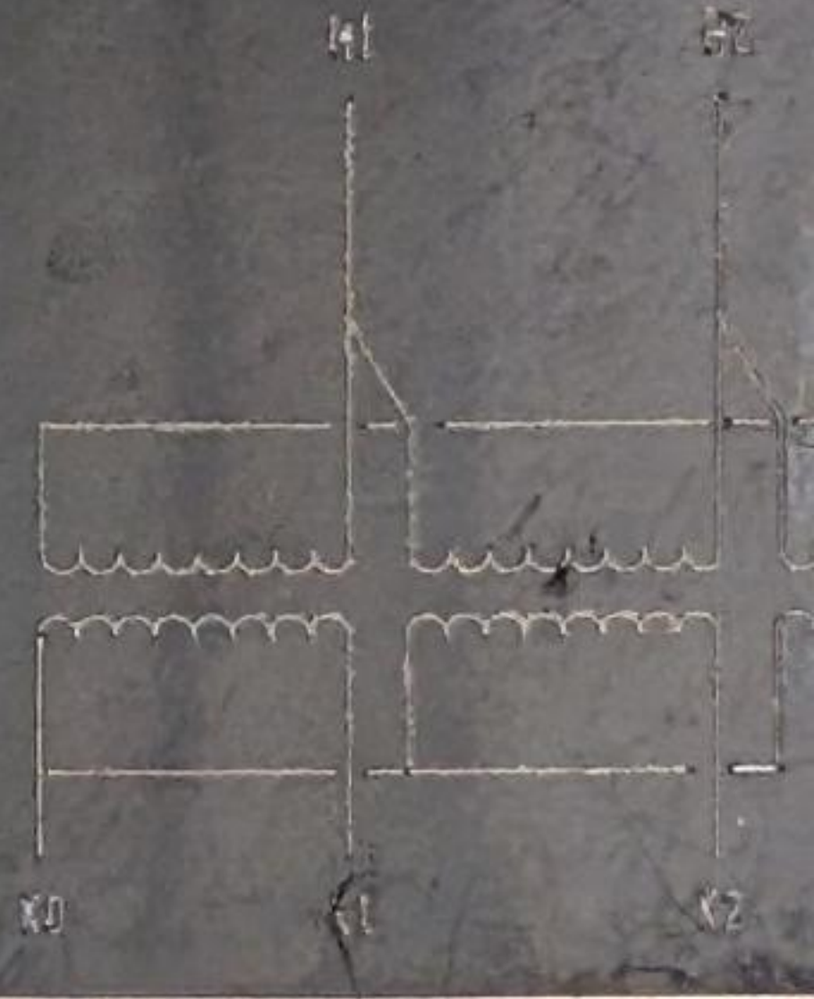
CAUTION: BEFORE OPERATING READ INSTR
FILLED WITH NON-PCB MINERAL OIL THAT C
THAN 1 PPM AT TIME OF MANUFACTURE

## TAP CHANGER AND SWITCH

| TAP | SWITCH POS 1 VOLTAGE | SWITCH POS 2 VOLTAGE |
|---|---|---|
| 1 | 13860 | |
| 2 | 13530 | |
| 3 | 13200 | |
| 4 | 12870 | |
| 5 | 12540 | |

PHASOR DIAGRAM




266P347H43 DISTRIBUTION TRANSFORMER MIN

POW-R-PAD

UNIT 109

WARNING

DANGER
HIGH VOLTAGE
KEEP OUT

HIGH VOLTAGE
KEEP OUT

UNIT#43


UNIT 109


ORM-D
DEWALT
20V
6
AH


40
80
0
120
Westinghouse
°C
X1
X3
X0
X2


H1
H2
H3


H1
H2

