

# TRANSFORMER SPECIFICATION

- 3 PHASE AUTO - DRY TYPE - ANN SELF COOLED  
 -SUITABLE FOR NONSINUSOIDAL CURRENT LOAD  
 WITH A K-FACTOR NOT TO EXCEED 35

| WINDINGS     | LOCATION | TERMINATIONS |
|--------------|----------|--------------|
| LOW VOLTAGE  | FRONT    | PADS*        |
| HIGH VOLTAGE | FRONT    | PADS*        |
| GROUND LUG   |          | 2/0-6 AWG    |

\* NEMA TERMINAL CONNECTOR DIMENSIONS ( CC 1-2009 ANNEX C )

**WIRING CONNECTION:**

| LOW VOLTAGE | % TAPS |
|-------------|--------|
| 528         | 110.0  |
| 504         | 105.0  |
| 480         | 100.0  |
| 456         | 95.0   |
| 432         | 90.0   |

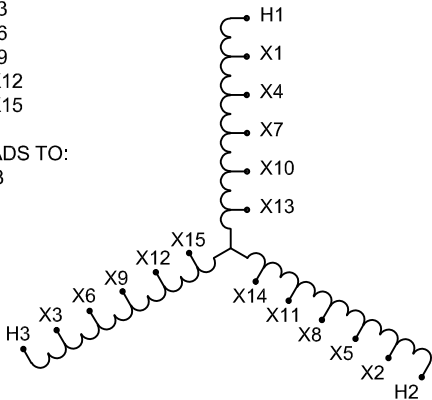
HIGH VOLTAGE  
600

CONNECT LINES TO:

- X1-X2-X3
- X4-X5-X6
- X7-X8-X9
- X10-X11-X12
- X13-X14-X15

CONNECT LOADS TO:

H1-H2-H3



COILS: COPPER  
 CAT. NO.: RC300H-J/50/C&C/K35/T115/X

KVA: 300  
 LOW VOLTAGE: 480V  
 HIGH VOLTAGE: 600V

FREQUENCY: 50/60 Hz

INSULATION CLASS: 220°C  
 TEMPERATURE RISE: 115°C

WEIGHT: 790 LBS

**STANDARDS:**

- 1.) CSA CERTIFIED
- 2.) UL RECOGNIZED

**STANDARD FEATURES:**

- 1.) LUG FOR EARTH GROUNDING PROVIDED
- 2.) NC 200°C THERMOSTAT INSTALLED AT THE CENTRE COIL

**SPECIAL FEATURES:**

X = ±2 X 5% TAPS ON THE 480V CONNECTION

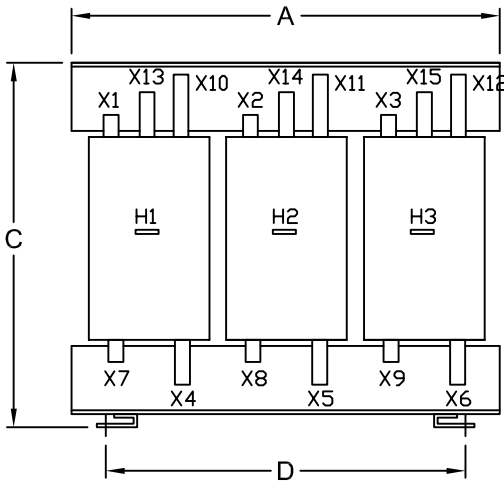
**DESIGN:**

- 1.) OPEN CONSTRUCTION
- 2.) INDOOR APPLICATION
- 3.) FLOOR MOUNTING

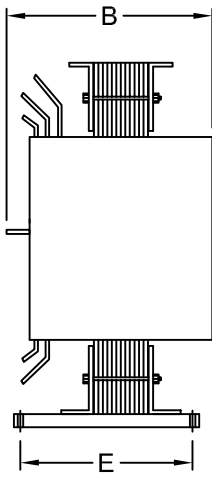
| 600V HGA Watts Loss |       |
|---------------------|-------|
| HGA Rating          | Loss  |
| 260A                | TBD W |

**Preliminary Drawing ONLY**

This drawing may NOT truly reflect our final design. Any resulting order(s) must be accompanied by or refer to this drawing and be marked with any proposed changes



FRONT VIEW



SIDE VIEW

**DIMENSIONS ( INCHES ):**

|   |   |      |
|---|---|------|
| A | = | 28.0 |
| B | = | 16.0 |
| C | = | 30.0 |
| D | = | 25.0 |
| E | = | 15.5 |

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|    |          |      |     | TOLERANCES (EXCEPT AS NOTED) |        |
|----|----------|------|-----|------------------------------|--------|
|    |          |      |     | DECIMAL                      |        |
|    |          |      |     | .XX                          | ± .03  |
|    |          |      |     | .XXX                         | ± .010 |
|    |          |      |     | FRACTIONAL                   |        |
|    |          |      |     | ±                            | 1/32   |
| X  | XXXXX    | XXXX | XXX | ANGULAR                      | ± 1°   |
| NO | REVISION | DATE | BY  |                              |        |

**TCL**® W132 N10611 Grant Drive  
 Germantown, WI 53022  
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XFMR, 300Kva,  
 480 V Pri, 600 v Sec, Open

|         |     |      |        |            |       |
|---------|-----|------|--------|------------|-------|
| DRN. BY | MJS | DATE | 2/5/21 | DWG. NO.   | 32073 |
| SCALE   | 1=1 | SIZE | A      | SHT.1 OF 1 |       |