

DRY TYPE TRANSFORMER SPECIFICATION

TRANSFORMER SPECIFICATION

RATING	500kVA
COOLING	ANN
TEMPERATURE RISE	80°C
PHASES	3
FREQUENCY	60Hz
K-FACTOR	4

	PRIMARY	SECONDARY
VOLTAGE	600V	208Y/120V
TAPS - FCAN	2 x 2.5%	-
TAPS - FCBN	2 x 2.5%	-
BIL	10kV	10kV

CONDUCTOR	ALUMINUM
WINDINGS	POLYESTER RESIN DIPPED
INSULATION CLASS	220°C
IMPEDANCE (@ 100°C)	4.0% - 6.0%
MIN EFFICIENCY	99.14% @ 35% LOAD, 75°C
AVG. SOUND LEVEL	60dBA
ELECTROSTATIC SHIELD	NONE
EST. WEIGHT	5040 lbs [2291kg]

TERMINALS AND CABLE LUGS

	PRIMARY	SECONDARY
LOCATION	FRONT	FRONT
LINE LUGS (/PH)	PADS	PADS
NEUTRAL LUGS	N/A	PADS
GROUND LUG	(1) 600MCM-2 AWG + (4) 2/0-14 AWG LUGS	

WIRING / CONNECTIONS

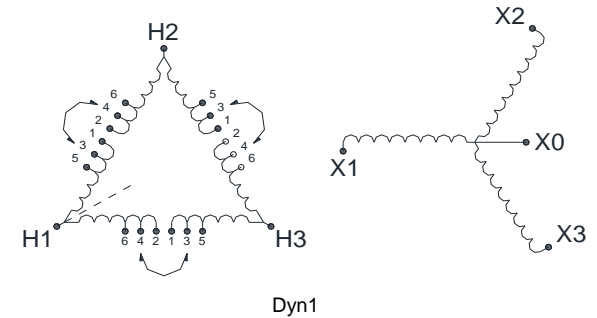
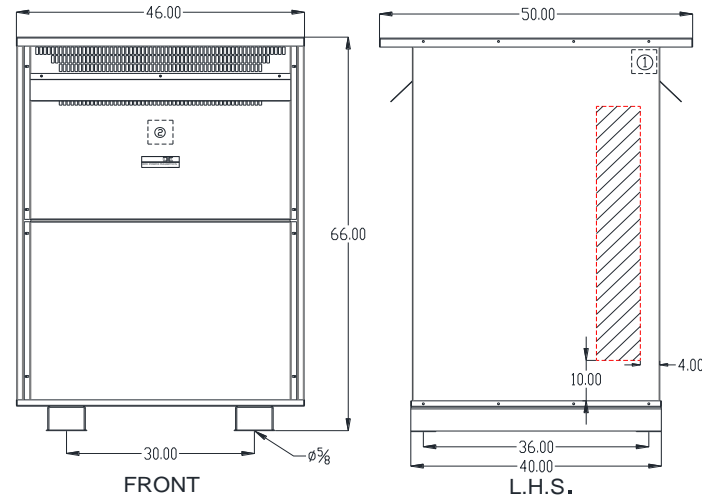
PRIMARY: H1-H2-H3		
VOLTAGE	% TAP	LINKS:
630	105.0%	1-2
615	102.5%	2-3
600	100.0%	3-4
585	97.5%	4-5
570	95.0%	5-6

SECONDARY: X0-X1-X2-X3		
VOLTAGE	PHASE	CONNECT LOAD TO
208	3	X1-X2-X3
120	1	X0-X1, X0-X2, AND/OR X0-X3

FEATURES

- NEOPRENE ANTI-VIBRATION PADS INSTALLED BETWEEN CORE & COIL AND ENCLOSURE BASE
- LUG FOR EARTH GROUNDING PROVIDED
- SUITABLE FOR NON-SINUSOIDAL CURRENT LOAD WITH K-FACTOR NOT TO EXCEED 4
- NEUTRAL SIZED FOR 200% OF LINE CURRENT
- SEISMIC QUALIFICATION: OSP-0332-10/ IBC 2018/ NBC 2015 (SDS <=2.1g, Z/h=1.0, Ip=1.5)
- CSA CERTIFIED (FILE No. LR34493)
- UL LISTED (FILE No. E108255)
- ISO 9001 QUALITY MANAGEMENT SYSTEM
- EFFICIENCY MEETS OR EXCEEDS:
CANADA: SOR/2018-201 (NRCAN 2019)
CSA: CSA C802.2-18
USA: DOE 10 CFR PART 431:2016-01 (DOE 2016)

- 1)Location of nameplate and labels for Canada
2)Location of nameplate and labels for USA
*Recommended area for side cable entry(7"x50") on either side



ENCLOSURE

ENCLOSURE PART #	E3R-10
ENCLOSURE RATING	TYPE 3R (INDOOR)*
CONSTRUCTION	VENTILATED
MATERIAL	STEEL
FINISH	POLYESTER POWDER COAT
COLOR	ANSI/ASA 61 (GREY)
MOUNTING	FLOOR

*SPRINKLERPROOF WHEN THE ANGLE BETWEEN SPRINKLER HEADS AND OPENING IN THE ENCLOSURE DOES NOT EXCEED 45 DEGREE FROM THE VERTICAL.

*FOR PROPER VENTILATION FOR FLOOR INSTALLATION KEEP AT LEAST 6 INCHES FROM ADJACENT WALLS

REV	REMARKS	BY	DATE	PRELIMINARY DRAWING	PRODUCT	K-FACTOR RATED ISOLATION TRANSFORMER
				THIS DRAWING MAY NOT TRULY REFLECT OUR FINAL DESIGN. ANY ORDER(S) MUST BE ACCOMPANIED BY OR REFER TO THIS DRAWING. REX POWER MAGNETICS RESERVES THE RIGHT TO CHANGE OR REVISE THESE SPECIFICATIONS WITHOUT NOTICE	MODEL / CAT No.	BA500J-M/K4/T80/Z3
					CUSTOMER	-
					PO #	-
					SWO #	- QTY -
					Prepared By	C.G. Date 12/29/2022
					Approved By	Date -



REX POWER MAGNETICS