



TECHNICAL NOTE #:	TN_VFD_GEN_022-G
EFFECTIVE DATE:	06/05/01
SUPERSEDES DATE:	
ORIGINATOR:	K. Vance
NO. OF PAGES:	1

18 Pulse Transformer Specifications

General Specifications:

150° Rise, 220° Insulation Class
Aluminum Wound Coils
K-Factor 4, Thermal protected
NEMA 1
UL Listed, CSA Certified
Electrical and Mechanical Drawings including weight required.

Electrical Specifications:

Primary Side:

Input Voltage:
Nominal Value: 460V
Range: 380-480V
Variation: +10%, -15%
Unbalance: < 2%
Frequency:
Nominal Value: 60 Hz
Variation: +5%, -5%
Phase:
3 phase, nominal 120° displacement
Impedance:
Total impedance (per phase) < 5%

Secondary Side:

Output Voltage: (Applies to all three secondary winding sets)
Nominal Value: 460V
Range: 380-480V
Variation: +10%, -15%
Unbalance: < 1% within a phase grouping and for any one phase to the average of all
Phases.
Frequency:
Nominal Value: 60 Hz
Variation: +5%, -5%
Phase:
3 phase, nominal 20° displacement
Variation: +/- 1° at full KVA
Output Current:
40% the rated current of the input (plus overloads)
Impedance:
< 2% variation within a secondary winding group
< 2% for any single phase to the average of all 9 secondary phases

