

CONTROLS:
 MPX CONTROLLER: THE TERMINAL IS PROVIDED FOR LOCAL CONTROL OF THE UNIT WITH AN INTERACTIVE TOUCHSCREEN DISPLAY FOR PRECISION OUTPUT VOLTAGE READINGS AND REGULATION. SEE THE MPX USER'S HANDBOOK (FORM #003-2753) FOR DETAILED INFORMATION ON EXPANDED AUTOMATION CAPABILITIES.

CONTROLLER ON/OFF SWITCH: THIS SWITCH TURNS OFF POWER TO THE MICROPROCESSOR CONTROLLER ONLY.

MOTOR ON/OFF SWITCH: THIS SWITCH TURNS OFF POWER FROM THE MICROPROCESSOR TO EACH OF THE AUTOTRANSFORMER MOTORS.

RAISE/LOWER SWITCHES: THESE SWITCHES ARE LOCATED INTERNALLY AND ARE ACCESSIBLE FROM THE FRONT VIA THE REMOVABLE ACCESS PANEL. THE SWITCHES ALLOW FOR EACH PHASE OF THE VARIABLE TRANSFORMER TO BE MANUALLY CONTROLLED INDIVIDUALLY.

WIRE RANGES FOR CUSTOMER WIRING:
 INPUT/OUTPUT TERMINALS: (2) (500MCM-#4 AWG) COMPRESSION PER PHASE
 GROUND TERMINAL: (1) (350MCM-#6 AWG) COMPRESSION

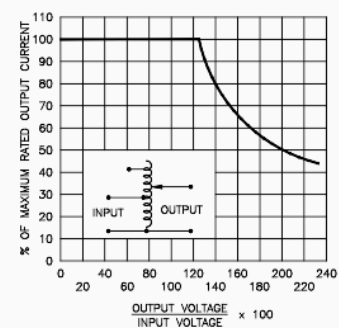


FIGURE A
 MAXIMUM OUTPUT CURRENT OF ANY DUAL INPUT VOLTAGE OR VOLTAGE DOUBLER UNIT OPERATED AT LOWER INPUT VOLTAGE.

MAXIMUM OUTPUT CURRENT IN OUTPUT VOLTAGE RANGE FROM 0 TO 25% ABOVE LINE VOLTAGE. AT HIGHER OUTPUT VOLTAGES, OUTPUT CURRENT MUST BE REDUCED ACCORDING TO RATING CURVE, FIGURE A.

++ MAXIMUM KVA AT MAXIMUM OUTPUT AND CORRESPONDING DE-RATED CURRENT. MAXIMUM KVA AT LOWER OUTPUT VOLTAGES MAY BE CALCULATED FROM RATING CURVE, FIGURE A.

V.D. = VOLTAGE DOUBLER.

SPECIFICATIONS								
WIRING	INPUT		OUTPUT		SHAFT ROTATION FOR VOLTAGE INCREASE	TERMINAL CONNECTIONS FOR INCREASING VOLTAGE AS VIEWED FROM TOP		
	VOLTS	HERTZ	VOLTS	CONSTANT CURRENT LOAD				
				MAX. AMPS	MAX. KVA			
THREE PHASE WYE	480/277	50/60	0-480	105	87	CW	4-4-4	D-D-D
		60	0-575	105	105	CW	2-2-2	D-D-D
	400/230	50	0-480	105	87	CW	2-2-2	D-D-D
TITLE: SPEC. CONTROL DRAWING VARIABLE TRANSFORMER MX15M6020E-9Y-IPC-575 DESIGNED BY: BER DATE: 10/3/25 CHECKED BY: S. LIGHTLE DATE: 11/12/25 ENGINEERED BY: LABRAGG DATE: 1/14/2026 FIRST USED ON: NO NOT NOLY DNG. REVISIT APPROV.: DATE CODE: 8/20/08 SCALE: 1/8" SHEET 1 OF 2 DWG. NO. 032-8451								

