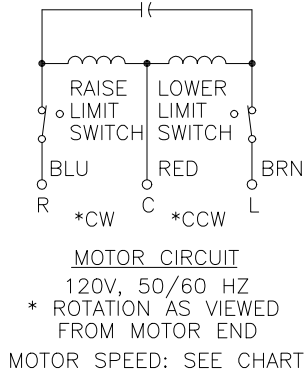
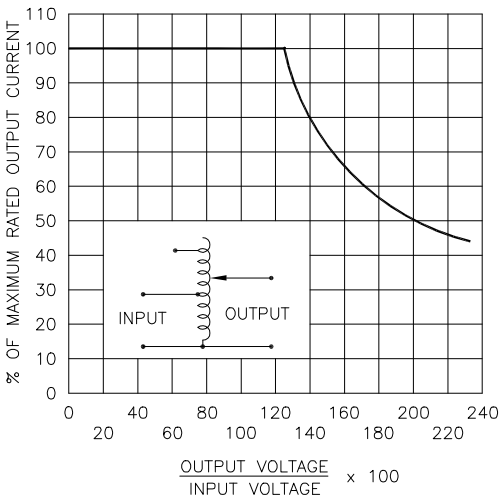


SCHEMATIC
THREE PHASE OPEN DELTA AND SINGLE PHASE SERIES. FUSE RECOMMENDED BUT NOT SUPPLIED.



- # MAXIMUM OUTPUT CURRENT IN OUTPUT VOLTAGE RANGE FROM 0 TO 25% ABOVE LINE VOLTAGE. AT HIGHER OUTPUT VOLTAGES, THE OUTPUT CURRENT MUST BE REDUCED ACCORDING TO THE DERATING CURVE FIGURE A.
- S MAXIMUM KVA AT MAXIMUM OUTPUT VOLTAGE AND CORRESPONDING DERATED OUTPUT CURRENT. MAXIMUM KVA FOR LOWER VOLTAGES MAY BE CALCULATED FROM DERATING CURVE FIGURE A.
- π IF GANGED UNITS ARE USED IN A SYSTEM THAT ORDINARILY HAS A COMMON NEUTRAL OR GROUND BETWEEN SOURCE AND LOAD, THE NEUTRAL OR GROUND MUST BE CONNECTED TO THE COMMON TERMINALS OF THE VARIABLE TRANSFORMER ASSEMBLY. IF THE SYSTEM HAS NO NEUTRAL, THE LOAD MUST BE BALANCED OR THE TRANSFORMER WILL BE DAMAGED.
- JUMPER PROVIDED IN STANDARD COMMON POSITION AND SHOULD BE MOVED OR REMOVED AS REQUIRED.
- ++ LINE TO LINE VOLTAGE.
- + MOTOR DRIVEN UNITS USE TERMINAL CONNECTIONS FOR CCW INCREASING VOLTAGE AS VIEWED FROM BASE END.

SPEED (SECONDS)	MODEL NUMBER
5	5M1020BCT-2
15	15M1020BCT-2
30	30M1020BCT-2
60	60M1020BCT-2

SPECIFICATIONS															
WIRING	INPUT		OUTPUT				SHAFT ROTATION TO INCREASE VOLTAGE	TERMINAL CONNECTIONS							
	VOLTS	HERTZ	VOLTS	CONSTANT CURRENT LOAD		CONSTANT IMPEDANCE LOAD		FOR INCREASING VOLTAGE AS VIEWED FROM BASE END +							
				MAX. AMPS	MAX. KVA	MAX. AMPS		MAX. KVA	INPUT	JUMPER ■	OUTPUT				
SINGLE PHASE SERIES	480	50/60	0-480	3.5	1.68	5.0	2.4	CW	1-1	4-4	3-3				
								CCW	4-4	1-1	3-3				
								CW	5-5	4-4	3-3				
	240	50/60	0-560	3.5	1.96	—	—	CCW	2-2	1-1	3-3				
								CW	7-7	4-4	3-3				
								CCW	6-6	1-1	3-3				
THREE PHASE OPEN DELTA π	240 ++	50/60	0-240	3.5	1.45	5.0	2.08	CW	1-4-1	4-4	3-4-3				
								CCW	4-1-4	1-1	3-1-3				
								CW	5-4-5	4-4	3-4-3				
	120 ++	50/60	0-280	3.5	1.70	—	—	CCW	2-1-2	1-1	3-1-3				
								CW	7-4-7	4-4	3-4-3				
								CCW	6-1-6	1-1	3-1-3				
UNLESS OTHERWISE SPECIFIED: TOLERANCE IS ± DECIMALS .XX .XXX .005 HOLES .002 ANGLES 1° DRAFT 1-1/2°				UNITS IN [mm]		TITLE: SPEC. CONTROL DRAWING MOTORIZED VARIABLE XFMR MODEL: M1020BCT-2									
MATERIAL		ALL DIMENSIONS APPLY AFTER PLATING													
				DRAWN BY S.A. SMITH		DATE 9/24/97		FIRST USED ON		DO NOT SCALE DWG.		CUSTOMER APPROVAL		DATE	
				CHECKER		DATE		WEIGHT APPROX. 30.75 LBS		CODE IDENT. NO. 83008		DWG. SIZE		DWG. NO.	
				ENGINEER		DATE		SCALE 1=1		SHEET 1 OF 1		D		031-2540	
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