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SECTION I: CONTROL BOX 1037	SECTION I	: CONTROL	BOX 10375
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2 HP 5-AXIS SPINDLE: 220V SINGLE PHASE POWER FOR SPINDLE, 110V SINGLE PHASE POWER FOR CONTROLS

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							TABLE I							
						INPUT SOURCE 1 -	230V 1 PHASE 50	/60HZ					_	
SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED)			TOTAL FULL LOAD	LARGEST MOTOR LOAD	RECOMMENDED BRANCH (INVERSE TIME CIRCUIT BREA BY ELECTRICIA	AKER)(PROVIDED	FIELD WIRING TERMINALS	WIRE SIZE AWG (mm²)*	SO CORD AWG (mm²)*	WIRE TYPE *	SCREW TORQUE		SPINDLE	
С	2 HP H	SD		18.9A	18.9A	25 A		DISCONNECT 1,2	10 (6.00)	10 (6.00)	75°C USE COPPER CONDUCTORS ONLY	25 IN-LBS (2.8 NM)	C	2 HP HS
						TABL	FII							
						INPUT SOURCE 2 - 230		HZ				FUSE	1 OL 1991 BL	
F	OTAL ULL OAD	LARGEST MOTOR LOAD				R PROTECTION (INVERSE ROVIDED BY ELECTRICIAN)		WIRE SIZE AWG (mm²)*	SO CORD AWG (mm²)*	WIRE TYPI	E * SCREW TORQUE			10A CLAS 3A CLASS
	8 A	4.1 A			10	A	DISCONNECT 4	12 (4.00)	12 (4.00)	) 75°C 25 IN-LB3 USE COPPER (2.8 NM				
	011				10	A.	TERMINAL BLOC N- NEUTRAL	K 12 (4.00)	12 (4.00)	CONDUCTO	0RS 6 IN-LBS (0.7 NM)			
	 S		 II: CON <sup>-</sup>	TROL B	— — — – OX 1037	2HP 5-AXIS SPINDLE: 230	 OV THREE PHASE POW	 ER FOR SPINDLE, 1	 10V SINGLE PHA		R CONTROLS			
							TABLE I						ן ר	
	_					INPUT SOURCE 1	- 230V 3 PHASE 5	0/60HZ						
		E 1 (FILL IN TO THE SPI SHIPPED)		TOTAL FULL LOAD	LARGEST MOTOR LOAD	RECOMMENDED BRANC (INVERSE TIME CIRCUIT BRI BY ELECTRIC	EAKER)(PROVIDED	FIELD WIRING		* SO CORE * AWG (mm²		SCREW TORQUE		SPINDL
	1						<u>^</u>		_	_		-		

	SHIPPED)	LOAD	LOAD	BY ELECTRICIAN)	TERMINALS	AWG (mm²)*	AWG (mm²)*		TORQUE		
   	0 2 HP HSD	11 A	11 A	15 A	DISCONNECT 1,2,3	12 (4.00)		75°C USE COPPER CONDUCTORS ONLY	25 IN-LBS (2.8 NM)	0 21	-IP HS
Ι									_		
¦ [				TABLE II						1	

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¦ ŀ	INPUT SOURCE 2 - 230V 1 PHASE 50/60HZ										
¦	TOTAL	LARGEST							F1	10A CLASS	
;	FULL	MOTOR	RECOMMENDED FEEDER PROTECTION (INVERSE	FIELD WIRING	WIRE SIZE	SO CORD		SCREW	F2	3A CLASS	
	LOAD	LOAD	TIME CIRCUIT BREAKER) (PROVIDED BY ELECTRICIAN)	TERMINAL	AWG (mm <sup>2</sup> )*	AWG (mm <sup>2</sup> )*	WIRE TYPE *	TORQUE			
	LOAD	LOAD									
!				DISCONNECT 4 -	12 (4.00)	12 (4.00)	75°C	25 IN-LBS			
!	8 A	4 4 4	10.0	LINE	12 (4.00)	12 (4.00)	USE COPPER	(2.8 NM)			
!	٥A	4.1 A	10 A	TERMINAL BLOCK	10 (1 00)		CONDUCTORS	6 IN-LBS			
				N- NEUTRAL	12 (4.00)	12 (4.00)	ONLY	(0.7 NM)			

0		2/8/19	GAB	Initial release		
REV	CHG NOTICE	DATE	BY	REVISION DESCRIPTION		
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YASKAWA (VFD)

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1 (FILL IN CIRCLE NEXT TO THE FIELD WIRING WIRE SIZE SO CORD SCREW VARIABLE LOAD WIRE TYPE \* SPINDLE SHIPPED) TERMINALS AWG (mm<sup>2</sup>)\* AWG (mm<sup>2</sup>)\* TORQUE FREQUENCY DRIVE 75°C 17.5 IN-USE COPPER CONTACTOR ISD (AT/MT 1073-060) CIMR-VU2A0020GAA 10 (6.00) 18.9A 12 (4.00) LBS M1- T1, T2 CONDUCTORS (2 NM) ONLY TABLE IV RATING SS CC-600V (LITTLE FUSE CCMR10A) S CC-600V (LITTLE FUSE CCMR3A) TABLE III OUTPUT LOAD- 230V 3 PHASE 50/60HZ YASKAWA (VFD) WIRE SIZE SO CORD SCREW LE 1 (FILL IN CIRCLE NEXT TO THE FIELD WIRING VARIABLE LOAD WIRE TYPE ' AWG (mm<sup>2</sup>)\* AWG (mm<sup>2</sup>)\* TERMINALS SPINDLE SHIPPED) TORQUE FREQUENCY DRIVE 75°C 17.5IN-USE COPPER CONTACTOR HSD (AT/MT 1073-060) CIMR-VU2A0012GAA 11A 12 (4.00) 12 (4.00) LBS M1- T1, T2, T3 CONDUCTORS (2 NM) ONLY TABLE IV RATING SS CC-600V (LITTLE FUSE CCMR10A) S CC-600V (LITTLE FUSE CCMR3A) DIM UNITS: MM SCALE: NONE Durham, North Carolina THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF SHOPBOT TOOLS. IT IS NOT TO BE REPRODUCED BY ANY MEANS OR USED TO FURNISH INFORMATIONTO OTHERS WITHOUT THE EXPRESS CONSENT TO THE POWER DIAGRAM BOX 010401-72 UL508A DATE DATE APPROVED DATE CHECKED OWNER. THE INFORMATION SHALL BE USED BY GAB 2/8/19 -

RECIPIENTS ONLY AS EXPRESSLY APPROVED

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SIZE DRAWING NUMBER

PART NUMBER 003922-01

TABLE III OUTPUT LOAD - 230V 1 PHASE 50/60HZ

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