

4

3

 \checkmark

SECTION I: CONTROL BOX 10374

D

С

В

Α

0 REV 2.2-5HP DOUBLE SPINDLE: 380V THREE PHASE POWER FOR SPINDLE, 230V SINGLE PHASE POWER FOR CONTROLS

			TABLE I						
			INPUT SOURCE 1- 380V 3 PHASE 50/60	OHZ					
SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED)	TOTAL FULL LOAD	LARGEST MOTOR LOAD	RECOMMENDED BRANCH PROTECTION (INVERSE TIME CIRCUIT BREAKER)(PROVIDED BY ELECTRICIAN)	FIELD WIRING TERMINALS	WIRE SIZE AWG (mm²)*	SO CORD AWG (mm²)*	WIRE TYPE *	SCREW TORQUE	SPINDLE 1 (FILL II SPINDI
0 2X 3 HP COLUMBO	16.4 A	8.2 A	20 A		10 (6.00)	10 (6.00)	75°C		o 3 HP COLUMBO
0 2X 5 HP COLUMBO	16.4 A	8.2 A	20 A	DISCONNECT 1,2,3	10 (6.00)	10 (6.00)	USE COPPER CONDUCTORS	50 IN-LBS (5.6 NM)	SPINDLE 2 (FILL I SPINDI
0 5 HP COLUMBO & 3 HP COLUMBO	16.4 A	8.2 A	20 A		10 (6.00)	10 <mark>(</mark> 6.00)	ONLY		0 3 HP COLUMBO
									o 5 HP COLUMBO

	TABLE II										
		INPUT SOURCE 2 - 230	/ 1 PHASE 50/60H	IZ							
TOTAL FULL LOAD	LARGEST MOTOR LOAD	RECOMMENDED FEEDER PROTECTION (INVERSE TIME CIRCUIT BREAKER) (PROVIDED BY ELECTRICIAN)	FIELD WIRING TERMINAL	WIRE SIZE AWG (mm²)*	SO CORD AWG (mm²)*		SCREW TORQUE				
84	4.1 A	10 A	DISCONNECT 4 - LINE	12 (4.00)	12 (4.00)	75∘C USE COPPER	50 IN-LBS (5.6 NM)				
8 A		1074	TERMINAL BLOCK N- NEUTRAL	<mark>12 (</mark> 4.00)	12 (4.00)	CONDUCTORS ONLY	6 IN-LBS (0.7 NM)				

SECTION II: CONTROL BOX 10377 2.2-5 HP DOUBLE SPINDLE: 230V SINGLE PHASE POWER FOR SPINDLE, 230V SINGLE PHASE POWER FOR CONTROLS

				TABLE I									TABLE	111					
		INPUT SOURCE 1 - 230V 1 PHASE 50/60HZ									OUTPUT LOAD - 230V 1 PHASE 50/60HZ								
	SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED)	TOTAL FULL LOAD	LARGEST MOTOR LOAD	RECOMMENDED BRANCH PROTECTION (INVERSE TIME CIRCUIT BREAKER)(PROVIDED BY ELECTRICIAN)	FIELD WIRING TERMINALS	WIRE SIZE AWG (mm²)*	SO CORD AWG (mm²)	WIRE TYPE*	SCREW TORQUE		SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED)	YASKAWA (VFD) VARIABLE FREQUENCY DRIVE	LOAD	FIELD WIRING TERMINALS	WIRE SIZE AWG (mm²)*	SO CORD AWG (mm²)*	WIRE TYPE *	SCREW TORQUE	
	0 2X 2.2 HP HSD	37.8 A	18.9 A	40 A		8 (10.00)	4 (25.00)			(2.2 HP HSD (AT/MT1073-070)	CIMR-VU2A0020GAA	18.9 A		10 (6.00)	12 (4.00)			
	0 2X 3 HP COLUMBO	37.8 A	18.9 A	40 A		8 (10.00)	4 (25.00)			(3 HP COLUMBO (RS 73/2 FP1 SB CPE)	CIMR-VU2A0020GAA	18.9 A	CONTACTOR	10 (6.00)	12 (4.00)			
	0 2X 4 HP HSD	52 A	26 A	40 A		6 (16.00)	2 (35.00)			(4 HP HSD (AT/MT1073-140)	CIMR-VU2A0030GAA	26 A	M1- T1, T2	8 (10.00)	8 (10.00)			
	0 2X 5 HP COLUMBO	70.8 A	35.4 A	50 A		4 (25.00)	2 (35.00)	75°C		(5 HP COLUMBO (RS 90/2 FP1 SB CPE)	CIMR-VU2A0040GAA	35.4 A		8 (10.00)	6 (16.00)	75°C	00.5.11	
	0 3 HP COLUMBO & 2.2 HP HSD	37.8 A	18.9 A	40 A	DISCONNECT	8 (10.00)	4 (25.00)	USE COPPER	50 IN-LBS		SPINDLE 2 (FILL IN CIRCLE NEXT TO THE						USE COPPER	26.5 IN- LBS	
	0 4 HP COLUMBO & 2.2 HP HSD	44.9 A	26 A	40 A	1, 2	6 (16.00)	4 (25.00)	CONDUCTORS	(5.6 NM)		SPINDLE SHIPPED)						CONDUCTORS	(3 NM)	
	0 5 HP COLUMBO & 2.2 HP HSD	54.3 A	35.4 A	50 A		4 (25.00)	2 (35.00)	ONLY		C	2.2 HP HSD (AT/MT1073-070)	CIMR-VU2A0020GAA	18.9 A		10 (6.00)	12 (4.00)	ONLY	(0 1111)	
	0 4 HP HSD & 3 HP COLUMBO	44.9 A	26 A	40 A		4 (25.00)	2 (35.00)			(3 HP COLUMBO (RS 73/2 FP1 SB CPE)	CIMR-VU2A0020GAA	18.9 A	CONTACTOR	10 (6.00)	12 (4.00)			
	0 5 HP COLUMBO & 3 HP COLUMBO	54.3 A	35.4 A	50 A		4 (25.00)	2 (35.00)	7		(4 HP HSD (AT/MT1073-140)	CIMR-VU2A0030GAA	26 A	M5- T1, T2	8 (10.00)	8 (10.00)]		
	0 5 HP COLUMBO & 4HP HSD	61.4 A	35.4 A	50 A	1	4 (25.00)	2 (35.00)	1		(5 HP COLUMBO (RS 90/2 FP1 SB CPE)	CIMR-VU2A0040GAA	35.4 A	1	8 (10.00)	6 (16.00)]		
1				TABLE II				·	 _		TABLE IV		•		-	•			

		TABLE II									
	INPUT SOURCE 2 - 230V 1 PHASE 50/60HZ										
	TOTAL FULL LOAD	LARGEST MOTOR LOAD	RECOMMENDED FEEDER PROTECTION (INVERSE TIME CIRCUIT BREAKER) (PROVIDED BY ELECTRICIAN)	the second second rest in the se		SO CORD AWG (mm²)*	WIRE TYPE *	SCREW TORQUE			
	8 A	4.1 A	10 A	DISCONNECT 4 - LINE	12 (4.00)	12 (4.00)	75℃ USE COPPER	50 IN-LBS (5.6 NM)			
				TERMINAL BLOCK N- NEUTRAL	12 (4.00)	12 (4.00)	CONDUCTORS ONLY	6 IN-LBS (0.7 NM)			

CHG NOTICE

2/8/19 GAB Initial Release

REVISION DESCRIPTION

4

DATE BY

3

2

TABLE III										
OUTPUT LOAD - 380V 3 PHASE 50/60HZ										
L IN CIRCLE NEXT TO THE IDLE SHIPPED)	YASKAWA (VFD) VARIABLE FREQUENCY DRIVE	LOAD	FIELD WIRING TERMINALS	WIRE SIZE AWG (mm²)*	SO CORD AWG (mm²)*	WIRE TYPE *	SCREW TORQUE			
BO (RS 73/2 FP1 SB CPE)	CIMR-VU4A0009GAA	8.2 A	CONTACTOR	10 (6.00)	10 (6.00)					
BO (RS 90/2 FP1 SB CPE)	CIMR-VU4A0009GAA	8.2 A	M1- T1, T2, T3	10 (6.00)	10 (6.00)	75°C				
L IN CIRCLE NEXT TO THE IDLE SHIPPED)						USE COPPER CONDUCTORS ONLY	26.5 IN- LBS (3 NM)			
BO (RS 73/2 FP1 SB CPE)	CIMR-VU4A0009GAA	8.2 A	CONTACTOR	10 (6.00)	10 (6.00)	ONLY	3° 1			
BO (RS 90/2 FP1 SB CPE)	CIMR-VU4A0009GAA	8.2 A	M5- T1, T2, T3	10 (6.00)	10 (6.00)					

1

D

С

В

	TABLE IV
FUSE NO.	RATING
F 1	10A CLASS CC-600V (LITTLE FUSE CCMR10A)
F 2	3A CLASS CC-600V (LITTLE FUSE CCMR3A)

FUSE NO.	RATING
F1	10A CLASS CC-600V (LITTLE FUSE CCMR10A)
F2	3A CLASS CC-600V (LITTLE FUSE CCMR3A)

	S	[Shop)	
		DIM UNITS: MM	SCALE: N	NONE			Durham, Nor	rth Carolir	าล	
UL508A		THIS DOCUMENT CON INFORMATION OF SH NOT TO BE REPRODUC	IOPBOT TOOLS	S. IT IS	TITLE	POWER	DIAGRAM	BOX 01	0401-73	
		USED TO FURNISH INFO WITHOUT THE EXPRE OWNER. THE INFORMAT	ESS CONSENT	TO THE E USED BY	drawn GAB	DATE 2/8/19	CHECKED	DATE	APPROVED	DATE -
		RECIPIENTS ONLY AS E	ENPRESSLT AP	PROVED	SIZE	DRAWING NUMBER	000	004		REV
	-	RETURNED TO OWN	ER UPON REG	QUEST.	C		003	921-0	00	
	APVD	©2008, SHOPBOT TOOLS, INC., ALL RIGHTS RESERVED			PART NUMBER 003921-01			5	SHEET2 OF2	
2							1			