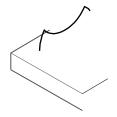


# Important Safety Instructions



### **Limited Warranty**

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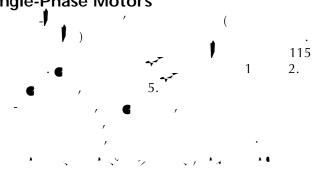


# Piping - General



# Connection Diagram For Dual Voltage, Single-Phase Motors

Wiring ▲ WARNING



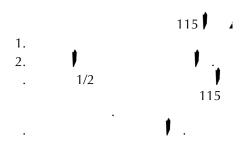
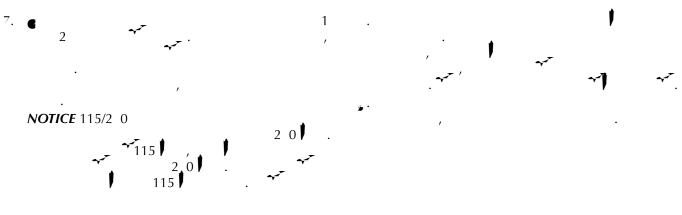
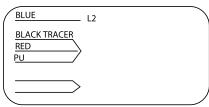


Table II - Recommended Fusing And Wiring Data - 60/50 Cycle Motors

1 -1/2	ſ	1						otors					
1 -12   112   12   12   12   132   1352   1515   171   1071   71   72   70   70   70   70   70   70   70	0	` `	4.5		. 141	′ ' '	7 , '		, i' '	. ' '			
1 - 12					1.24	1		, ,,,,					
1 - 1/2					<u> </u>	· · · · · · · · · · · · · · · · · · ·							
1 -		1/2			15/15	1 /1	10/1		/1	/12			
1 - 1	1 -,	/		12. / .2	20/15	10/1	10/1	/1	42	712			
1 - 1   1   1   1   1   1   1   1   1				1 . /7.	20/15	12/1		/1	/12				
1 - 1   2   1   2   1   2   1   2   2   2		1					/1			/10			
1 - 1/2   1/2	1 -11,2	1 1/2	115/2 0	1, ,, /, ,, 5	25/15	10/1		/12					
1 -2   2   2   2   2   2   2   2   2   2		1-1/2		2 .0/12.0	0/15	10/1		/12					
11		2					/12		/10	/			
1 - 21, 2				2 .0/1 .0	5/20	/12	/12	/10		/			
1 -12   1/2   1/2   1/3   1/		2-1/2			0.20	1							
1 -1/2   1						, <del>,</del> 6 ,							
1 - 1	1 -1,2	1/2		.2/ .1			12/1	10/1	/1	/12			
1 - 1		/	115/2 0	11. /5.		1 /1			/1	<u> </u>			
1 -1   1   1   1   1   1   1   1   1				1 .2/ .	20/15	12/1	10/1	/1	/12	/12			
1 -112		1											
1 -1   2   2   2   10   10   10   10   10		1 1/2		*				1	10	12			
1		1-1/2		.7	]				12				
11, -21,2		2	2 0		15		1	12		10			
1     -21/2     2-1/2       1     -1/2     1/2       1     -1/2     1/2       1     -1     1       1     -1     1       1     -1/2     1-1/2       1     -1/2     1-1/2       11/2     -2     2       11/2     -21/2     2-1/2       1     -1/2     1/2       1								14	10	10			
1 -1/2     1/2       1 -2     /       1 -3     /       1 -1     1       1 -11/2     1-1/2       1 -11/2     1-1/2       1 -1/2     1-1/2       11 -2     2       1 -2     2       1 -1/2     1/2       1 -1/2     1/2       1 -1/2     1/2       1 -1/2     1/2       1 -1/2     1/2       1 -1/2     1/2       1 -1/2     1/2       1 -1/2     1/2       1 -1/2     1/2       1 -1/2     1/2       1 -1/2     1/2       1 -1/2     1/2       1 -1/2     1/2       1 -1/12     1/2       1 -1/12     1/2       1 -1/12     1/2       1 -1/2     1/2		2-1/2		•		,							
1 -12     1/2       1 -7     /       1 -7     /       1 -1     1       1 -112     1-1/2       1 -112     1-1/2       11, -212     2       1 -2     2       1 -2     2       1 -2     2       1 -2     2       1 -1,2     1/2       1 -1,2     1/2       1 -1     1       1 -1     1       1 -1,12     1-1/2       1 -1,12     1-1/2       1 -1,12     1-1/2       1 -1,12     1-1/2       1 -1,12     1-1/2       1 -1,12     1-1/2       1 -1,12     1-1/2       1 -1,12     1-1/2       1 -1,12     1-1/2       1 -1,12     1-1/2	,				· · · · ·								
1 - / 1	1 -1,2	1/2		2. /1.15									
1 - / 1 - 1		/		.1/1.55				1 /1					
1 -1     1       1 -11/2     1-1/2       1 -11/2     1-1/2       11/1 -2     2       1 -2/1     2-1/2       1 -2/2     2-1/2       1 -1/2     1/2		,		. /1.									
1 -11/2     1-1/2       1 -11/2     1-1/2       11/32     2       11/321/2     2-1/2       1 -2/2     2-1/2       1 -1/2     1/2       1 -1/2     1/2       1 -1/2     1/3       1 -1/2     1/3       1 -1/2     1/3       1 -1/2     1-1/2   <		1			_								
1 -11/2       11, -2       1 -2       11, -21/2       1 -21/2       1 -1/2       1 -1/2       1 -1       1 -1       1 -1       1 -1/2       20 -2 0/ 0       15       1 /1		1 1/2	2 0/ 0	.7/2. 5	15		1 /1						
11, -2 11, -21,2 11, -21,2 1 -21,2  2 -1/2  2-1/2  3 / .25  1 -1,2  1 -1,		1-1/2		/2									
11, -21,2     2-1/2       1 -21,2     1/2       1 -1,2     1/2       1 -7,     /       1 -1     1       1 -1,1     1       1 -1,12     1-1/2       1 -1,12     1-1/2       1 -1,12     1-1/2    15  171		2			-				10	1			
1 -21/2     2-1/2       1 -1/2     1/2       1 -2     1/2       1 -1/2     1/2       1 -1/2     1/2       1 -1/2     1/2       1 -11/2     1-1/2       1 -11/2     1-1/2       1 -11/2     1-1/2       1 -11/2     1-1/2       1 -11/2     1/1				.5/ .25					12/	I			
1     -1/2     1/2       1     -     /       1     -1     1       1     -1     1       1     -11/2     1-1/2       1     -11/2     1-1/2       1     -1/2     15       1     1/1		2-1/2				1							
1     -1,2     1/2       1     -,     /       1     -1     1       1     -1     1       1     -11/2     1-1/2       1     -11/2     1-1/2       1     -11/2     1-1/2       1     -1     1       1     -1     -1       1     -1     <					• • • • • • • • • • • • • • • • • • • •	, <u>, , , , , , , , , , , , , , , , , , </u>		<u> </u>					
1 - / (1)     1 -1       1 -1 (1)     1 -1       1 -11/2 (1 -11/2)     1-1/2 (2 -11/2)       1 -11/2 (1 -11/2)     1-1/2 (2 -11/2)	1 -1,2	1/2		2.2/1.1									
1 -, 1 -1 1 -1 1 -112 1 -1/2 1 -1/2 1 -1/2 1 -1/2 1 -1/2 1 -1/2 1 -1/2 1 -1/2	1 -,	/		2.,/1. 5									
1 -1     1       1 -112     1-1/2       1 -113     1-1/2       20 -2 0/ 0     . /2.       15     1 /1				. / .					1	1			
1 -112 1-1/2 20 -2 0/ 0 · /2· 15 1 /1		1			-				'	I			
-  /	1 -11,2	1 1/2	20 -2 0/ 0	. /2.	15		1 /1						
	1 -11,2	1-1/2		.0/ 0									
		2		.0/ .0					1 /1				
11 -2				7 0/ 5					12/1	12/1			
1 -21/2 2-1/2		2-1/2		7.07.3					14/1				

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## **Ordering Replacement Parts:**



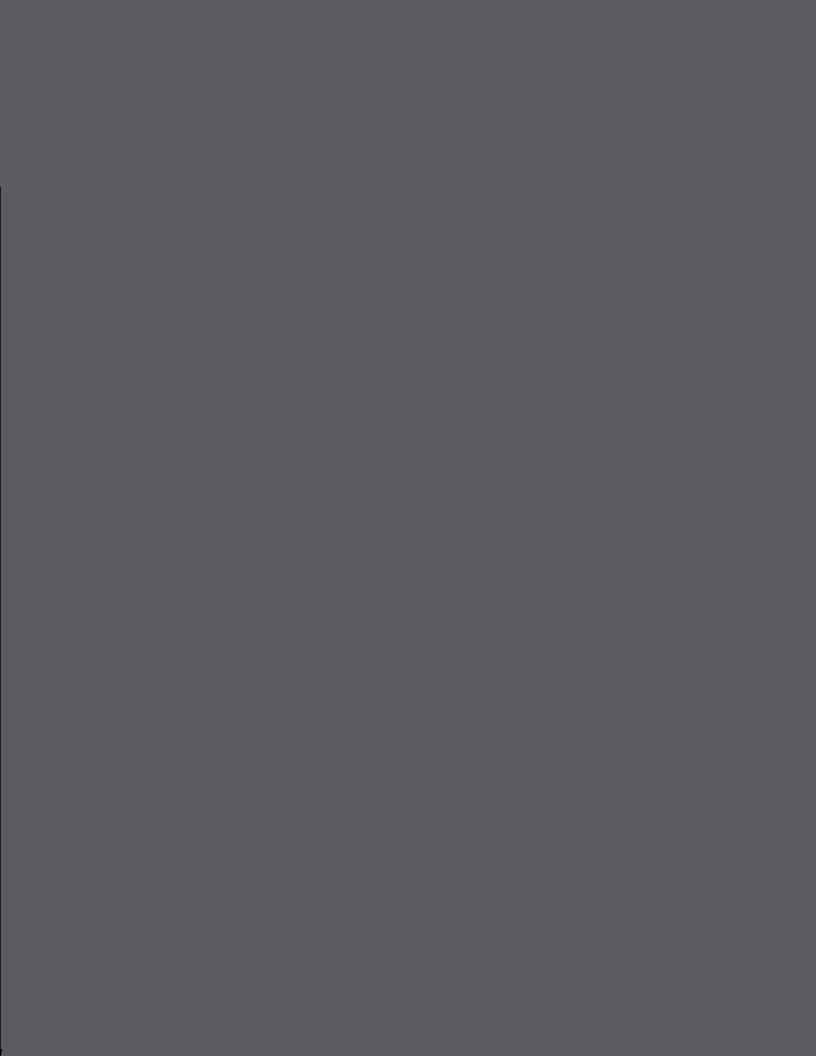
Maintenance 9

# Pump Service NOTICE I NOTICE I

Removal of Old Seal

1.

	<u> </u>														+		T												
11, -21,2	7 5	7 57	7 5	0 27	0 2	0 2,	0	. 1	0 5	0 57	0 51	0	17 51-000,	-200	11110 0	10, -	<b>G</b> 105-21	<b>6</b> 105-21 P	0-1	€ 0-1	72 70	111 0000	121 7 0	121 0 10	-207	10 -	10 -	5-5	
11, -2		7	7 55		7 5			*	0	9 0	0 50	0 2	17 51-000,	-200	11110000	10, -	<b>G</b> 105-21 <b>P</b>	<b>6</b> 105-21 / <b>6</b>	1-0	1-0	72 70	111100,0	121 7 0	121 <b>P</b> 0 10	-207	10 -**	10 -	5-5	
1 -11,2			7 5					1.1.	0	0 55	• 0	0 1	17 51-000,	<b>-</b> 200	111 0 0	10, -	<b>6</b> 105- <u>,</u> 2 <i>P</i>	<b>G</b> 105-, 2 <i>P</i>		● 0-1	72 2,,,0	11110,00	121 7 0	121 0 10	-207	10 -	10 -,	6 5-5	
1-			7 51					•	0 2	0 5	0	0 0	17 51-000	<b>e</b> -200	11110000	10, -	<b>6</b> 105-, 2 f	<b>6</b> 105-, 2 <i>f</i>		€ 0-1	72 2,0	111100,0	121 7 0	121 0 10	-207	10 -	10 -	5-5	
1 -		7 7	7		7 50				0 1	0 5	2 0	0 5,	17 51-000,	€ -200	11110000	10, -	<b>6</b> 105-, 2 f	<b>C</b> 105-, 2 <i>P</i>		€ 0-1	72 2,0	11100,0	121 7 0	1210 10	-207	10 -	10 -	<b>5</b> -5	
1 -1,2		7 5	7 7	7	7			1	0 0	0 52	0	0 5	17 51-000	<b>-</b> 200	11110 , 0	10, -	<b>1</b> 05-, 21	<b>G</b> 105-, 2 P		0-1	72 2,,0	111 0, , 0	121 7 0	121 <b>₽</b> 0 10	-207	10 -	10 -,	5-5	
• ′ •								, '	-	1	-	1	-	-	-	1	1	-	1	1	1	2	2			-	1	1	
• 5 /								A	, 115/2 0 / 0 ., 1 6 ,	, 115/2 0 / 0 ., 1 🗗 , 🌘	, 20 -2 0/ 0 / 0 ., • , •	, 2 0/ 0 / 0 .,			**	***	-1 6		-1 6	-					,		(1 / ( , ( , )		2
								>		*	<u>-</u>		2			5				•	7		•	10	1	5	71	12	1



# **Repair Parts**

