

ETHERNET/IP AND MODBUS TCP COMM.

RJ-45 PIN	WIRE COLOR	SIGNAL	SLOT B/E
8	BROWN	UNUSED	E8
7	BROWN&WHITE	UNUSED	E7
6	GREEN	RECEIVE-	E6
5	WHITE&BLUE	UNUSED	E5
4	BLUE	UNUSED	E4
3	WHITE&GREEN	RECEIVE+	E3
2	ORANGE	TRANSMIT-	E2
1	WHITE&ORANGE	TRANSMIT+	E1

MOTOR AMPS @ VOLTAGE 1725RPM

HP	208	240	380	415	480	575
3/4	3.2	3.0	1.8	1.7	1.5	1.2
1	3.6	3.4	1.9	1.8	1.7	1.4
1.5	5.0	4.8	2.9	2.6	2.4	1.9
2	6.5	6.0	3.6	3.3	3.0	2.4
3	8.3	8.2	4.4	4.6	4.3	3.3
5	14.7	13.4	8.1	7.4	6.7	5.6
7.5	23.2	22.0	13.3	12.2	11.0	8.8
10.0	29.5	28.0	16.9	15.5	14.0	11.2

MOTOR FUSE SIZE CLASS "CC"

HP	208	240	380	415	480	575
3/4	6.0	6.0	4.0	4.0	3.0	2.5
1	8.0	7.5	4.0	4.0	3.0	3.0
1.5	9.0	9.0	6.0	6.0	5.0	4.0
2	12.0	12.0	7.5	6.0	6.0	5.0
3	20.0	20.0	9.0	9.0	8.0	6.0
5	30.0	25.0	15.0	15.0	15.0	10.0
7.5	45.0	40.0	25.0	25.0	20.0	20.0
10.0	60.0	50.0	30.0	30.0	25.0	20.0

COMPONENT WATT RATING

NEWA CONTACTORS	D.P. CONTACTORS	EC CONTACTORS	RELAYS	SOLENOIDS	LAMPS
00,0,1 24W	40A 4.4W	A08A12 6.2VA A30 7.7VA A38A45 13VA A60A75 19VA	4PDT .9W	1/4" 10.1W	FULL VOLT 3W
2 60W	60A 6W	B112 6VA B250B300 113VA	2PDT 1.2W	1/2" 10.1W	TRANSFORMER 1.5W
3 82.8W	90A 16W	B400 168VA B360 216VA	MACH. TOOL 7W	3/4", 1" 6.1W	IDI INCAND .5W

HEATER AMPS @ VOLTAGE

KW	208	240	380	415	480	600
6	17	15	9	8	7	6
12	33	29	18	17	14	12
18	50	43	27	25	22	17
24	67	58	37	33	29	23
30	83	72	45	42	36	30
36	100	87	55	50	43	35
42	116	101	64	59	51	42
48	133	115	73	67	58	46

HEATER FUSE SIZE @ VOLTAGE

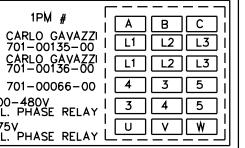
KW	208	240	380	415	480	600
6	25	20	12	10	10	10
12	45	40	25	25	20	15
18	70	60	35	35	30	25
24	90	80	50	45	40	35
30	125	90	60	60	45	40
36	150	125	70	70	60	45
42	175	150	80	80	70	60
48	**	150	100	90	80	60

MAIN PROTECTION

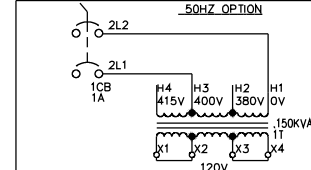
KW	208	230	380	415	460	575
6	25	25	15	15	15	10
12	60	50	30	30	25	20
18	80	70	45	40	35	30
24	100	90	60	50	45	35
30	125	100	70	60	50	45
36	150	125	80	70	60	50
42	175	150	90	80	70	60
48	175	110	100	90	70	70

CLASS "CC" FUSE

VA	208	240	380	415	480	575	IF REQ'D
100	1.0	.8	.5	.5	.5	.5	1.6 AMP
150	1.0	1.0	.5	.5	.5	.4	1.6 AMP
250	1.5	1.3	1.0	.8	.8	.8	2.8 AMP
350	2.5	2.0	1.5	1.5	1.0	.8	4.0 AMP
500	3.0	3.0	2.0	2.0	1.5	1.5	5.6 AMP
750	5.0	5.0	2.5	2.5	2.5	2.0	8.0 AMP



- NOTE:
- 1) LAST WIRE NUMBER USED #55.
  - 2) SHORT DASHED LINES INDICATE WIRING TO BE INSTALLED IN FIELD.
  - 3) # INDICATES TERMINAL BLOCKS.
  - 4) \* INDICATES A DEVICE NOT MOUNTED ON THE ELECTRIC PANEL.
  - 5) --- INDICATE OPTIONAL EQUIPMENT.



REV	DESCRIPTION	ECN	NAME	DATE
A1	ADD 50HZ OPTION	189234	CW	8/28/17

FABRICATION TOLERANCES UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES

TOLERANCES: ANGULAR DIMENSIONS ±1° TWO PLACE DECIMAL ±0.01 THREE PLACE DECIMAL ±0.000

SCALE: 10F 1

PROJECT: TCU OIL

PROJECT PART: MSO/USO

TITLE: DIAG, ELEM, MSO/USO

G-2016, WATLOW, MP6C, CTR WITH, ETHERNET, 50/60HZ

682.92037.59