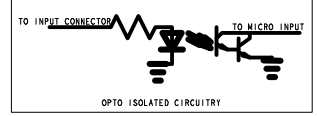
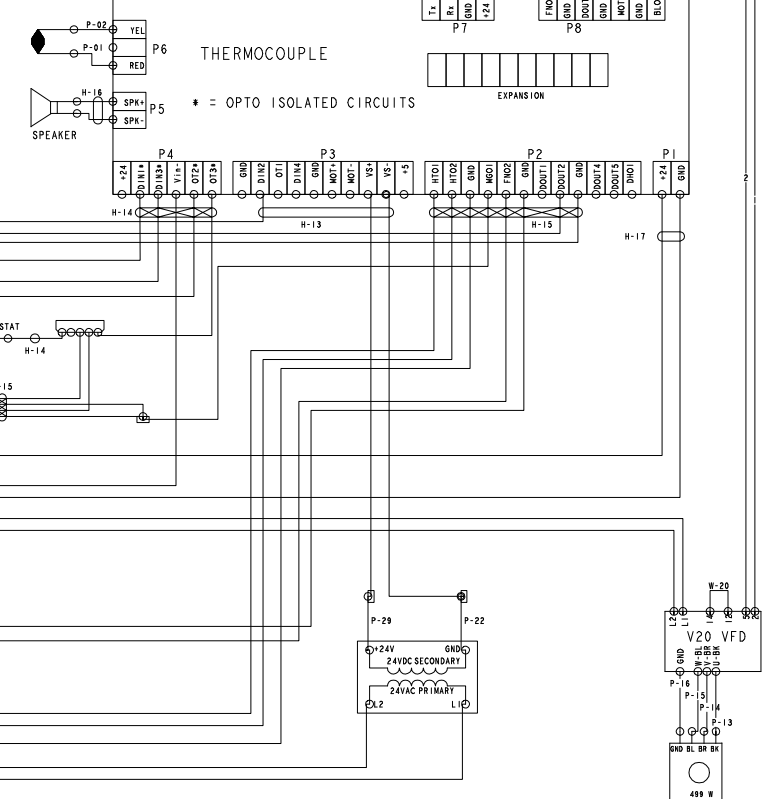
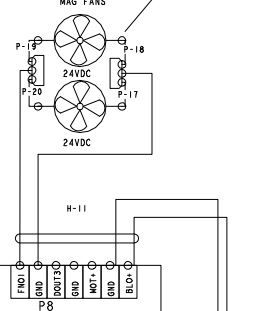


CODE	DESCRIPTION
H	CABLE/HARNESS ASSEMBLY - MULTIPLE CONDUCTORS PRE FABRICATED
W	SINGLE WIRE - PRE FABRICATED
S	SUPPLY (CORD) LEAD
M	SINGLE WIRE - MANUALLY CUT/STRIPPED/TERMINATED
P	PIGTAIL



ADD 02.14.255.00 FERRULE TO EACH FAN LEAD



MODEL DESIGNATION & ELECTRICAL RATINGS					
MODEL	VOLTS	AMPERES	HZ	PHASE	APPROVAL
MISA-a12	208-240	24	60	1	U.S. G.S. FDA, FCC

RELEASE AND REVISION HISTORY				CK:		WIRE LABELS (WIRE NUMBER, GAUGE, COLOR CODE) PGT=PIGTAIL LEADS		
RV	DESCRIPTION	DATE	ENG	RB	NJM	WJS	UNLESS OTHERWISE SPECIFIED DIMS ARE IN INCHES	
1	RELEASED, ECO.#40294	2-25-21	NJM	WJS	-	-	HATCO CORP., MILWAUKEE, WI	
2	ADDED FERRULE NOTCH-CHANGE STRIPPER COLORS ECO.#40292	4-26-21	NJM	WJS	-	-	DESCRIPTION OVENTION SCHEMATIC, MISA-a12	
-	-	-	-	-	-	-	THIS PRINT IS NOT TO BE REPRODUCED WITHOUT PERMISSION OF HATCO CORP.	
-	-	-	-	-	-	-	PART NUMBER	DRAWING NUMBER
-	-	-	-	-	-	-	N/A	10-01-1618
-	-	-	-	-	-	-	REV	2
-	-	-	-	-	-	-	Released	SCALE: N/A
-	-	-	-	-	-	-	PROJ: 706601	SHEET 1 OF 2

ITEM	COLOR	AWG	FROM COMPONENT	FROM PORT	TO COMPONENT	TO PORT
H-01_1	WHITE	14	CTS_RESET	22	OV_SSR_5	Port_1
H-01_2	BLUE	14	CTS_RESET	32	OV_SSR_5	Port_1_2
H-01_3	WHITE	14	CTS_RESET	21	WAGO_TB_3P_8	1
H-01_4	BLUE	14	CTS_RESET	31	WAGO_TB_3P_18	1
H-02_1	BLACK	14	OV_SSR_6	Port_1_2	WAGO_TB_3P_9	3
H-02_2	WHITE	14	OV_SSR_6	Port_1	WAGO_TB_3P_8	1
H-03_1	BLACK	14	MCB_4	OUT_1	TRANSFORMER_1	Port_1_2
H-03_2	BLACK	14	INL_INE_CONNECTORS_56	1/2F	TRANSFORMER_1	Port_1_2
H-04_1	BLACK	14	MCB_4	OUT_2	TRANSFORMER_2	Port_1_2
H-04_2	BLACK	14	INL_INE_CONNECTORS_58	1/2F	TRANSFORMER_2	Port_1_2
H-05_1	RED	14	TRANSFORMER_1	Port_1_1	RELAY_SPDT_5	NO
H-05_2	YELLOW	14	TRANSFORMER_1	Port_1	RELAY_SPDT_5	Port_1
H-05_3	BLUE	14	TRANSFORMER_2	Port_1_1	RELAY_SPDT_6	NO
H-05_4	BLACK	14	TRANSFORMER_2	Port_1	RELAY_SPDT_6	Port_1
H-06_1	WHITE	14	INL_INE_CONNECTORS_57	1/2F	RELAY_SPDT_5	COM
H-06_2	WHITE	14	RELAY_SPDT_5	COM	OV_SSR_6	Port_1_1
H-07_1	BLACK	14	INL_INE_CONNECTORS_59	1/2F	RELAY_SPDT_6	COM
H-07_2	BLACK	14	RELAY_SPDT_6	COM	OV_SSR_6	Port_1_3
H-08_1	BLACK	22	WAGO_TB_3P_23	3	RELAY_SPDT_3	COM
H-08_2	BLACK	22	INL_INE_CONNECTORS_64	2/5F	RELAY_SPDT_3	NO
H-08_3	RED	22	INL_INE_CONNECTORS_63	3/5F	WAGO_TB_3P_21	3
H-09_1	WHITE	22	MCB_5	2	CONVERTER_2	Port_1_8
H-09_2	WHITE	22	MCB_5	2	MOTOR_CTRL_OVNTN_1	CL2
H-10_1	BLACK	22	MCB_6	2	CONVERTER_2	Port_1_9
H-10_2	BLACK	22	MOTOR_CTRL_OVNTN_1	CL1	MCB_6	2
H-11_1	BLUE	22	OV_RB_4	Port_1_81	MOTOR_CTRL_OVNTN_1	C2
H-11_2	WHITE	22	OV_RB_4	Port_1_82	MOTOR_CTRL_OVNTN_1	C5
H-11_3	BLACK	22	INL_INE_CONNECTORS_9	2/3F	OV_RB_4	Port_1_86
H-11_4	RED	22	OV_RB_4	Port_1_87	INL_INE_CONNECTORS_8	2/3F
H-12_1	RED	22	INTERFACE_0700_5015_1	+ 515	OV_RB_4	Port_1_88
H-12_2	BLACK	22	INTERFACE_0700_5015_1	GRD 515	OV_RB_4	Port_1_89
H-12_3	YELLOW	22	INTERFACE_0700_5015_1	A 515	OV_RB_4	Port_1_90
H-12_4	BLUE	22	INTERFACE_0700_5015_1	B 515	OV_RB_4	Port_1_91
H-12_5	YELLOW	22	INTERFACE_0700_5015_1	A 515	INTERFACE_0700_5015_1	Z 515
H-12_6	BLUE	22	INTERFACE_0700_5015_1	B 515	INTERFACE_0700_5015_1	Z 515
H-12_7	BLACK	22	INTERFACE_0700_5015_1	GRD 515	INTERFACE_0700_5015_1	Port_1_1
H-13_1	RED	22	OV_RB_4	Port_1_103	MCB_3	Port_1_3
H-13_2	RED	22	OV_RB_4	Port_1_109	INL_INE_CONNECTORS_61	1/1M
H-13_3	BLACK	22	OV_RB_4	Port_1_110	INL_INE_CONNECTORS_60	1/1M
H-14_1	BLACK	22	OV_RB_4	Port_1_93	THERM_SW_OVNTN_1	1
H-14_2	RED	22	OV_RB_4	Port_1_94	MICRO_SWITCH_1	2/2MS
H-14_3	RED	22	OV_RB_4	Port_1_96	THERM_SW_OVNTN_1	2
H-14_4	RED	22	OV_RB_4	Port_1_97	INL_INE_CONNECTORS_62	1/5F
H-14_5	BLACK	22	THERM_SW_OVNTN_1	1	MICRO_SWITCH_1	1/2MS
H-14_6	BLACK	22	MICRO_SWITCH_3	UniversalPort_3	MICRO_SWITCH_1	1/2MS
H-14_7	RED	22	MICRO_SWITCH_1	2/2MS	MICRO_SWITCH_2	1/2MS
H-14_8	RED	22	THERM_SW_OVNTN_2	1	THERM_SW_OVNTN_1	2
H-14_9	RED	22	INL_INE_CONNECTORS_62	5/5F	THERM_SW_OVNTN_2	2
H-14_10	BLACK	22	OV_RB_4	Port_1_95	WAGO_TB_3P_22	3
H-15_1	RED	22	OV_RB_4	Port_1	OV_SSR_5	Port_1_4
H-15_2	YELLOW	22	OV_RB_4	Port_1_68	OV_SSR_5	Port_1_6
H-15_3	BLACK	22	OV_RB_4	Port_1_70	INL_INE_CONNECTORS_54	1/1M
H-15_4	BLACK	22	OV_RB_4	Port_1_74	RELAY_SPDT_6	POS
H-15_5	RED	22	OV_SSR_6	Port_1_7	INL_INE_CONNECTORS_54	1/1M
H-15_6	BLACK	22	OV_SSR_6	Port_1_5	INL_INE_CONNECTORS_55	1/1M
H-15_7	RED	22	OV_SSR_5	Port_1_5	INL_INE_CONNECTORS_55	1/1M
H-15_8	BLACK	22	OV_SSR_5	Port_1_7	INL_INE_CONNECTORS_55	1/1M
H-15_9	BLACK	22	INL_INE_CONNECTORS_55	1/1M	NC	
H-15_10	BLACK	22	OV_RB_4	Port_1_75	RELAY_SPDT_6	GND
H-15_11	BLACK	22	RELAY_SPDT_6	POS	RELAY_SPDT_5	POS
H-15_12	RED	22	RELAY_SPDT_6	GND	RELAY_SPDT_5	GND
H-15_13	BLACK	22	RELAY_SPDT_3	GND	OV_RB_4	Port_1_72
H-15_14	RED	22	RELAY_SPDT_3	POS	OV_RB_4	Port_1_71
H-15_15	BLACK	22	OV_SSR_6	Port_1_6	INL_INE_CONNECTORS_62	2/5F
H-15_16	RED	22	OV_SSR_6	Port_1_4	INL_INE_CONNECTORS_62	3/5F
H-16_1	BLUE	22	SPEAKER	1	OV_RB_4	Port_1_100
H-16_2	BLACK	22	SPEAKER	2	OV_RB_4	Port_1_101
H-17_1	RED	22	OV_RB_4	Port_1_79	WAGO_TB_3P_21	2
H-17_2	BLACK	22	OV_RB_4	Port_1_80	WAGO_TB_3P_23	1
H-18_1	RED	22	CONVERTER_2	Port_1_11	WAGO_TB_3P_21	2
H-18_2	BLACK	22	CONVERTER_2	Port_1_13	WAGO_TB_3P_23	1
J-01	GRAY JUMPER		WAGO_TB_3P_19	4	WAGO_TB_3P_9	4
J-02	GRAY JUMPER		WAGO_TB_3P_18	5	WAGO_TB_3P_8	5
J-03	GRAY JUMPER		WAGO_TB_3P_20	4	WAGO_TB_3P_18	4
J-04	GRAY JUMPER		WAGO_TB_3P_22	5	WAGO_TB_3P_23	5
J-05	GRAY JUMPER		WAGO_TB_3P_19	5	WAGO_TB_3P_24	5
P-01	BROWN	PGT	THERMOCOUPLE	2	OV_RB_4	Port_1_99
P-02	BROWN	PGT	THERMOCOUPLE	1	OV_RB_4	Port_1_5
P-03	BLACK	PGT	INL_INE_CONNECTORS_56	2/2F	MOTOR_OVNTN_1	Port_1
P-04	WHITE	PGT	INL_INE_CONNECTORS_57	2/2F	MOTOR_OVNTN_1	UniversalPort_1
P-05	BLACK	PGT	INL_INE_CONNECTORS_58	2/2F	MOTOR_OVNTN_2	Port_1
P-06	WHITE	PGT	INL_INE_CONNECTORS_59	2/2F	MOTOR_OVNTN_2	UniversalPort_1
P-07	WHITE	PGT	HEATER-1_BOT	2	WAGO_TB_3P_24	2
P-08	WHITE	PGT	HEATER-2_TOP	2	WAGO_TB_3P_24	3
P-09	BLACK	PGT	INL_INE_CONNECTORS_64	1/5F	FAN_OVNTN_5	2
P-10	BLACK	PGT	FAN_OVNTN_6	2	INL_INE_CONNECTORS_64	5/5F
P-11	RED	PGT	FAN_OVNTN_5	1	INL_INE_CONNECTORS_63	5/5F
P-12	RED	PGT	FAN_OVNTN_6	1	INL_INE_CONNECTORS_63	1/5F
P-13	VARIES	PGT	MOTOR_CTRL_OVNTN_1	U-BK	BLOWER_LH_BOT	4

ITEM	COLOR	AWG	FROM COMPONENT	FROM PORT	TO COMPONENT	TO PORT	
P-14	VARIES	PGT	MOTOR_CTRL_OVNTN_1		V-BR	BLOWER_LH_BOT	1
P-15	VARIES	PGT	MOTOR_CTRL_OVNTN_1		W-BL	BLOWER_LH_BOT	2
P-16	VARIES	PGT	MOTOR_CTRL_OVNTN_1		GND-GR	BLOWER_LH_BOT	3
P-17	RED	PGT	FAN_OVNTN_4	2	INL_INE_CONNECTORS_9	3/3F	
P-18	RED	PGT	INL_INE_CONNECTORS_9	1/3F	FAN_OVNTN_3	2	
P-19	BLACK	PGT	INL_INE_CONNECTORS_8	3/3F	FAN_OVNTN_3	1	
P-20	BLACK	PGT	FAN_OVNTN_4	1	INL_INE_CONNECTORS_8	1/3F	
P-21	WHITE	PGT	HEATER-1_BOT	1	OV_SSR_5	Port_1_3	
P-22	YELLOW	PGT	INL_INE_CONNECTORS_60	1/1M	TRANSFORMER_3	Port_1_14	
P-23	YELLOW	PGT	CAPACITOR_4	Port_1_1	TRANSFORMER_1	Port_1_3	
P-24	YELLOW	PGT	TRANSFORMER_1	Port_1_7	MAGNETRON_1	Port_1	
P-25	YELLOW	PGT	TRANSFORMER_2	Port_1_3	CAPACITOR_3	Port_1_1	
P-26	GREEN	22	TRANSFORMER_3	Port_1_12	WAGO_TB_3P_19	3	
P-27	YELLOW	PGT	TRANSFORMER_3	Port_1_11	WAGO_TB_3P_20	1	
P-28	WHITE	PGT	HEATER-2_TOP	1	OV_SSR_5	Port_1_1	
P-29	YELLOW	PGT	INL_INE_CONNECTORS_61	1/1M	TRANSFORMER_3	Port_1_13	
P-30	YELLOW	PGT	TRANSFORMER_2	Port_1_7	MAGNETRON_2	Port_1	
P-31	RED	PGT	INL_INE_CONNECTORS_63	2/5F	FAN_OVNTN_7	1	
P-32	BLACK	PGT	FAN_OVNTN_7	2	INL_INE_CONNECTORS_64	4/5F	
S-01	WHITE	PGT	G	NA	GROUND_1	GRD	
S-02	WHITE	PGT	L2	NA	ROCKER_SWITCH_1	Port_1_3	
S-03	BLACK	6	L1	NA	ROCKER_SWITCH_1	Port_1_2	
W-01	GREEN	10	30A_FILTER_1	2_1	GROUND_1	GRD	
W-02	BLACK	12	WAGO_TB_3P_9	2	MCB_6	1	
W-03	WHITE	12	WAGO_TB_3P_8	2	MCB_5	1	
W-04	BLACK	12	WAGO_TB_3P_9	1	MCB_4	IN_1	
W-05	WHITE	12	WAGO_TB_3P_18	3	MCB_4	IN_2	
W-06	BLACK	22	MCB_3	Port_1_1	CONVERTER_2	Port_1_12	
W-07	GREEN	22	CAPACITOR_4	Port_1_1	GROUND_3	GRD	
W-08	RED	22	MICRO_SWITCH_3	Port_1	MCB_3	Port_1	
W-09	RED	22	CONVERTER_2	Port_1_10	MICRO_SWITCH_2	2/2MS	
W-10	WHITE	18	TRANSFORMER_1	Port_1_4	CAPACITOR_4	Port_1	
W-11	WHITE	18	CAPACITOR_4	Port_1_1	MAGNETRON_1	Port_1_1	
W-12	WHITE	18	TRANSFORMER_2	Port_1_4	CAPACITOR_3	Port_1	
W-13	WHITE	18	CAPACITOR_3	Port_1_1	MAGNETRON_2	Port_1_1	
W-14	GREEN	22	CAPACITOR_3	Port_1_1	GROUND_2	GRD	
W-15	BLUE	10	ROCKER_SWITCH_1	Port_1_1	30A_FILTER_1	1	
W-16	BLACK	10	ROCKER_SWITCH_1	Port_1_1	30A_FILTER_1	2	
W-17	BLACK	10	30A_FILTER_1	4	WAGO_TB_3P_19	1	
W-18	BLUE	10	30A_FILTER_1	3	WAGO_TB_3P_18	2	
W-20	BLACK	22	MOTOR_CTRL_OVNTN_1	C12	MOTOR_CTRL_OVNTN_1	C14	

BILL OF MATERIALS

ITEM NUMBER	QTY
02.15.074.00	5
02.18.662.00	1
02.18.669.00	2
02.18.670.00	2
02.18.1150.00	2
02.18.1173.00	1
02.18.1174.00	1
02.18.1175.00	1
02.18.1176.00	1
02.18.1183.00	1
02.18.1184.00	1
02.18.1185.00	1
02.18.1201.00	1
02.18.1202.00	2
02.18.1203.00	1
02.18.1204.00	4
02.18.1205.00	1
02.18.1206.00	1
02.18.1207.00	1
02.18.1208.00	1
02.18.1209.00	1
02.18.1210.00	1
02.18.1211.00	1
02.18.1212.00	1
02.18.1213.00	1
02.18.1230.00	1
02.18.1271.00	1
02.18.1272.00	1
02.18.1273.00	1
02.18.1274.00	1
02.18.1275.00	1

DIAGRAM KEY

CODE	ITEM NUMBER
H-01	02.18.1207.00
H-02	02.18.1206.00
H-03	02.18.1208.00
H-04	02.18.1209.00
H-05	02.18.1210.00
H-06	02.18.1211.00
H-07	02.18.1212.00
H-08	02.18.1213.00
H-09	02.18.1203.00
H-10	02.18.1205.00
H-11	02.18.1173.00
H-12	02.18.1174.00
H-13	02.18.1175.00
H-14	02.18.1176.00
H-15	02.18.1183.00
H-16	02.18.1184.00
H-17	02.18.1185.00
H-18	02.18.1230.00
J-01	02.15.074.00
J-02	02.15.074.00
J-03	02.15.074.00
J-04	02.15.074.00
J-05	02.15.074.00

DIAGRAM KEY

CODE	ITEM NUMBER
W-01	02.18.1275.00
W-02	02.18.669.00
W-03	02.18.670.00
W-04	02.18.669.00
W-05	02.18.670.00
W-06	02.18.1201.00
W-07	02.18.1150.00
W-08	02.18.1202.00
W-09	02.18.1202.00
W-10	02.18.1204.00
W-11	02.18.1204.00
W-12	02.18.1204.00
W-13	02.18.1204.00
W-14	02.18.1150.00
W-15	02.18.1273.00
W-16	02.18.1271.00
W-17	02.18.1272.00
W-18	02.18.1274.00
W-20	02.18.662.00

2

MODEL DESIGNATION & ELECTRICAL RATINGS				
MODEL	VOLTS	AMPERES	HZ	PHASE
MISA-a12	208-240	24	60	1

CODE	DESCRIPTION
H	CABLE/HARNESS ASSEMBLY - MULTIPLE CONDUCTORS PRE-FABRICATED
W	SINGLE WIRE - PRE-FABRICATED
S	SUPPLY (CORD) LEAD
M	SINGLE WIRE - MANUALLY CUT/STRIPPED/TERMINATED
P	PIGTAIL

ADDITIONAL BOM PARTS:
ITEM NUMBER QTY
02.14.255.00 10

RELEASE AND REVISION HISTORY				CK:		WIRE LABELS (WIRE NUMBER, GAUGE, COLOR CODE). PGT=PIGTAIL LEADS		
RV	DESCRIPTION	DATE	ENG	RB	NUM	WJS	UNLESS OTHERWISE SPECIFIED DIMS ARE IN INCHES	
1	RELEASED, ECO.#40294	2-25-21					HATCO CORP., MILWAUKEE, WI	
2	ADDED PERMITS NOTE/CHANGE STRIPPER COLORS ECO.#40294	4-26-21					DESCRIPTION OVENTN SCHEMATIC.MISA-a12	
							THIS PRINT IS NOT TO BE REPRODUCED WITHOUT PERMISSION OF HATCO COR	