CME256 or CME506 or CME656 or CME806 Service Parts

This parts list contains service part information for 8 basic models, plus 4 different electrical configurations. **The complete model number will be needed to identify the correct part.**

Model Series Changes (code at the end of the model number)

- C model - changes to the front & side panels
- D model - changes to the top panel and to the compressor starting components

Electrical Codes are located at the end of the model number (voltage/hertz/phase):

- -1 is 115/60/1
- -32 is 208-230/60/1
- -3 is 208-230/60/3
- -6 is 250/50/1

Electrical Components Common to All Machines:

- Inlet water valve
- Water sensor
- Discharge line sensor
- Controller
- Ice sensor/bin controls
- Water level sensor

Unique Electrical Components

- Compressor and related starting components
- Contactor (single / three phase)
- Fan motor
- Water pump
- Transformer
- Hot gas valve

Other Unique parts include: side panels, electrical, refrigeration and some water system items.

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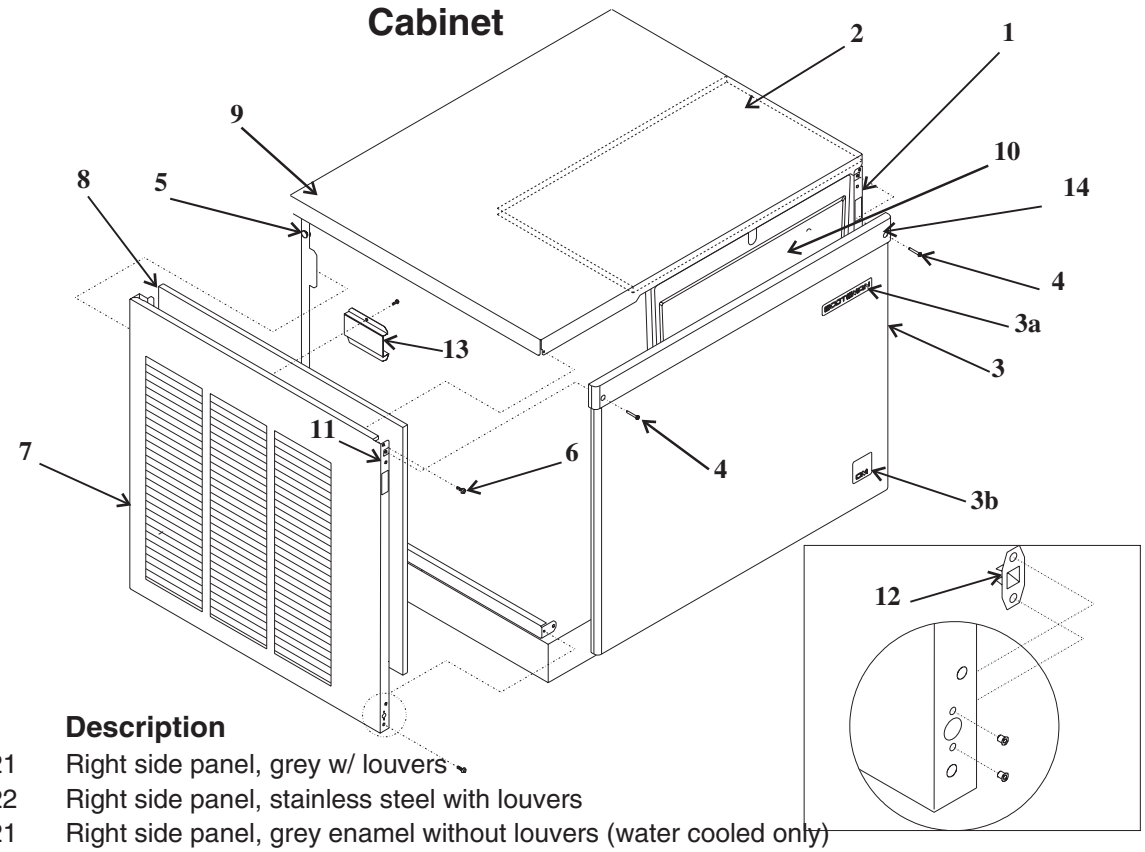
CME256 or CME506 or CME656 or CME806 Service Parts

Cabinet

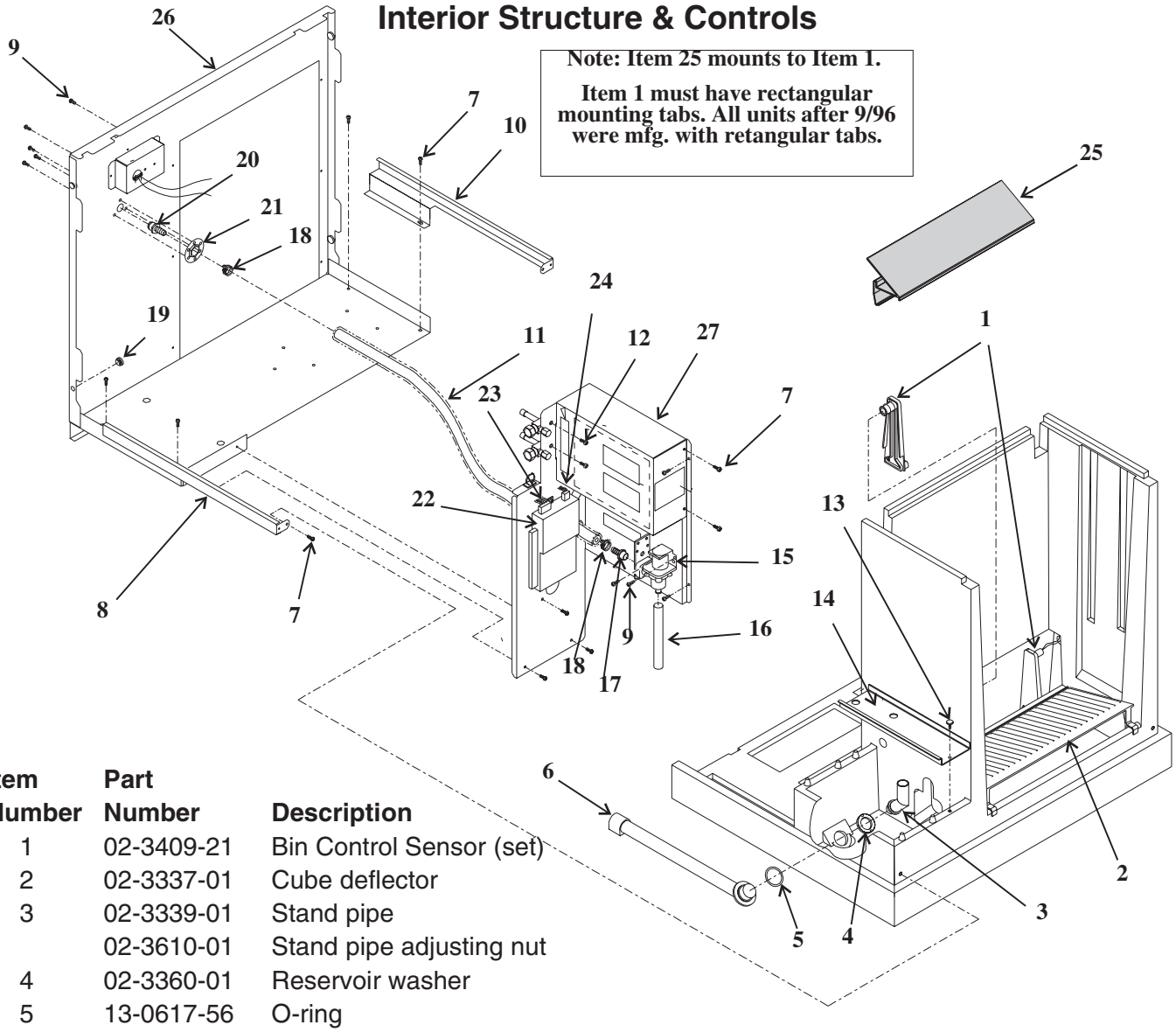


Item Number	Part Number	Description
1	A35963-021	Right side panel, grey w/ louvers
	A35963-022	Right side panel, stainless steel with louvers
	A37071-021	Right side panel, grey enamel without louvers (water cooled only)
	A37071-022	Right side panel, stainless steel without louvers (water cooled only)
2	02-3659-01	Top insulation
3	02-3797-21	**C model Front panel kit,** gray **plastic**, includes trim strip & emblems
	03-1733-01	Strike (for C model panel, SS and plastic)
	A37167-001	Front panel kit, gray plastic, includes item 10a (for A models)
	A37488-001	**C model Front panel kit, stainless steel,** includes trim strip & emblems
	A35964-002	Front panel kit, stainless steel (for A models)
3a	15-0711-02	Emblem for ss panel (Scotsman); 03-0271-00 is the speed nut for emblem
3b	15-0792-01	Emblem for C model front panel, (CM^3)
4	03-1735-01	Screw for trim strip (for C model)
	03-1404-12	Sheet metal screw for plastic front panel (for A Model)
	03-1419-22	Sheet metal screw for ss front panel
5	02-1875-03	Panel bumper/hole plug
6	03-1531-01	Sheet metal screw
7	A35962-021	Left side panel, grey enamel with louvers
	A35962-022	Left side panel, stainless steel with louvers
	A37070-021	Left side panel, grey enamel without louvers (water cooled only)
	A37070-022	Left side panel, stainless steel without louvers (water cooled only)
8	02-3485-01	Air filter, air cooled only
9	A35965-001	Top panel, grey enamel, order item 2 also
	A35965-002	Top panel, stainless steel, order item 2 also
	02-3822-21	Top panel, plastic, fits all, original to D series
10a	02-3663-01	Evaporator cover, use began Feb. 1997. Fits A and B series
	02-3796-01	Insulation for above cover
	02-3663-20	Evap cover with insulation for C and D series
11	03-1423-06	Speed nut for panel screws
12	03-1733-02	Catch
13	A37326-001	Filter bracket
14	02-3794-01	Trim strip. 03-1731-02 is the push nut for trim strip

Interior Structure & Controls

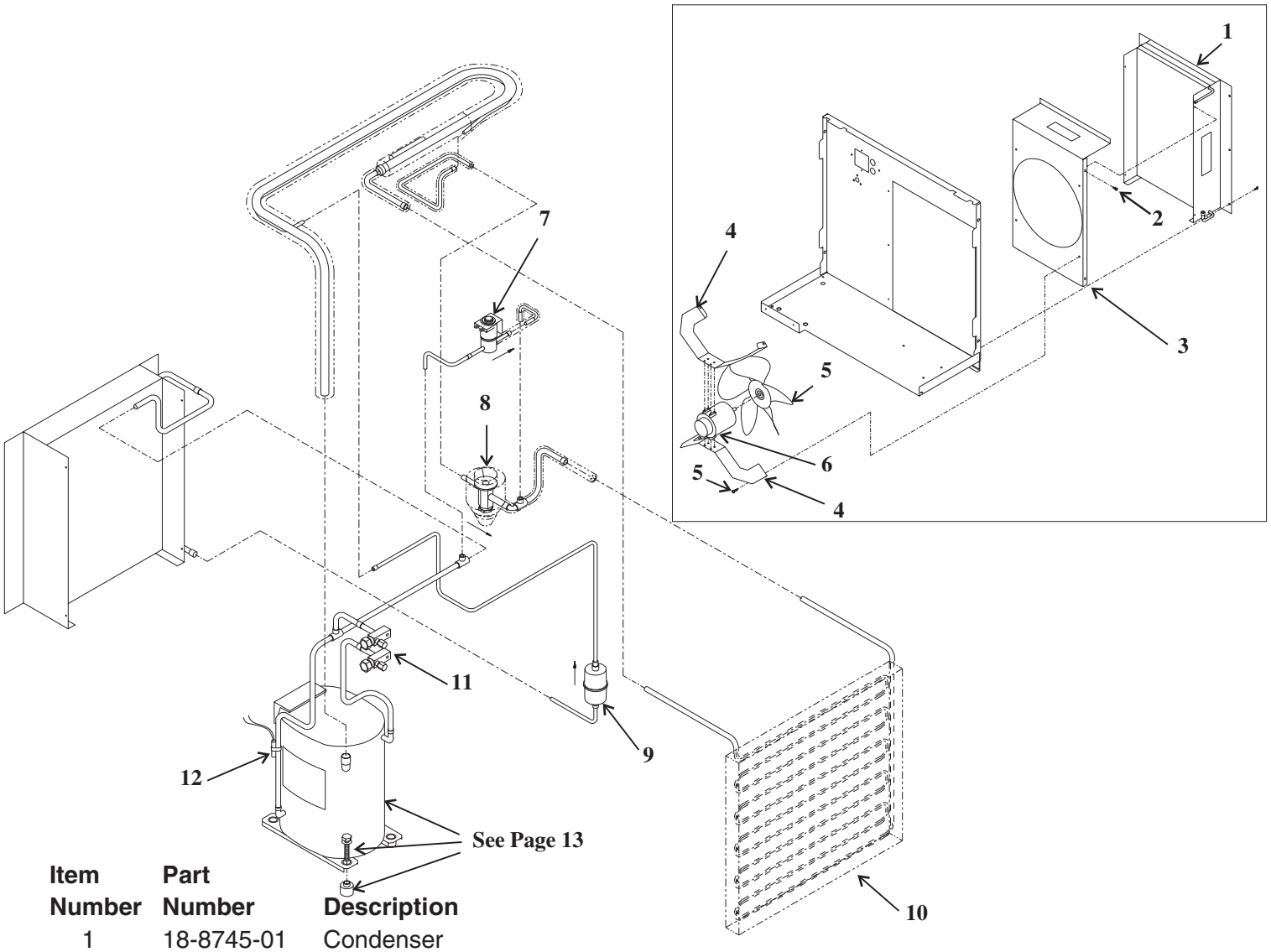
Note: Item 25 mounts to Item 1.

Item 1 must have rectangular mounting tabs. All units after 9/96 were mfg. with retangular tabs.



Item Number	Part Number	Description
1	02-3409-21	Bin Control Sensor (set)
2	02-3337-01	Cube deflector
3	02-3339-01	Stand pipe
	02-3610-01	Stand pipe adjusting nut
4	02-3360-01	Reservoir washer
5	13-0617-56	O-ring
6	02-3338-01	Drain tube & fittings
7	03-1404-18	Screw
8	A36298-001	Left side channel
9	03-1531-01	Screw
10	A36297-001	Right side channel
11	13-0906-01	Plastic inlet water hose, 21" req. order 2 units - not used after Sept. 1996
12	03-1645-01	Screw
13	03-1691-01	Nylon screw
14	02-3340-01	Reservoir cover
15	12-2548-01	Inlet water valve
16	13-0674-02	Tubing, 9" req., order 1 unit
17	02-3443-01	Water fitting for hose
	16-1020-01	Water fitting for copper
18	02-0179-05	Clamp
19	13-0903-01	Bumper for side panels
20	16-0997-01	Inlet water fitting for hose
	16-1019-01	Inlet water fitting for coppe
21	16-0701-07	Mounting flange
22	A37703-021	AutoIQ controller, fits all, but MUST be used with D series
23	12-2644-21	Low voltage harness A - C series
	12-2782-21	Low volt harness, D series 60 Hz
	12-2782-23	Low volt harness, D series 50 Hz
24	12-2476-21	Hi volt. harness for w/o fan control
	12-2678-01	Hi volt. harness for 50 Hz models
	12-2784-21	Hi volt harness for D series 60 Hz.
	12-2786-21	Hi volt harness for D series 50 Hz.
25	02-3657-01	Cascading shield, used on CME806; + CME656 and CME506 after 2/97
26	A36460-001	Back panel assy
27	A35959-001	Hi voltage box cover

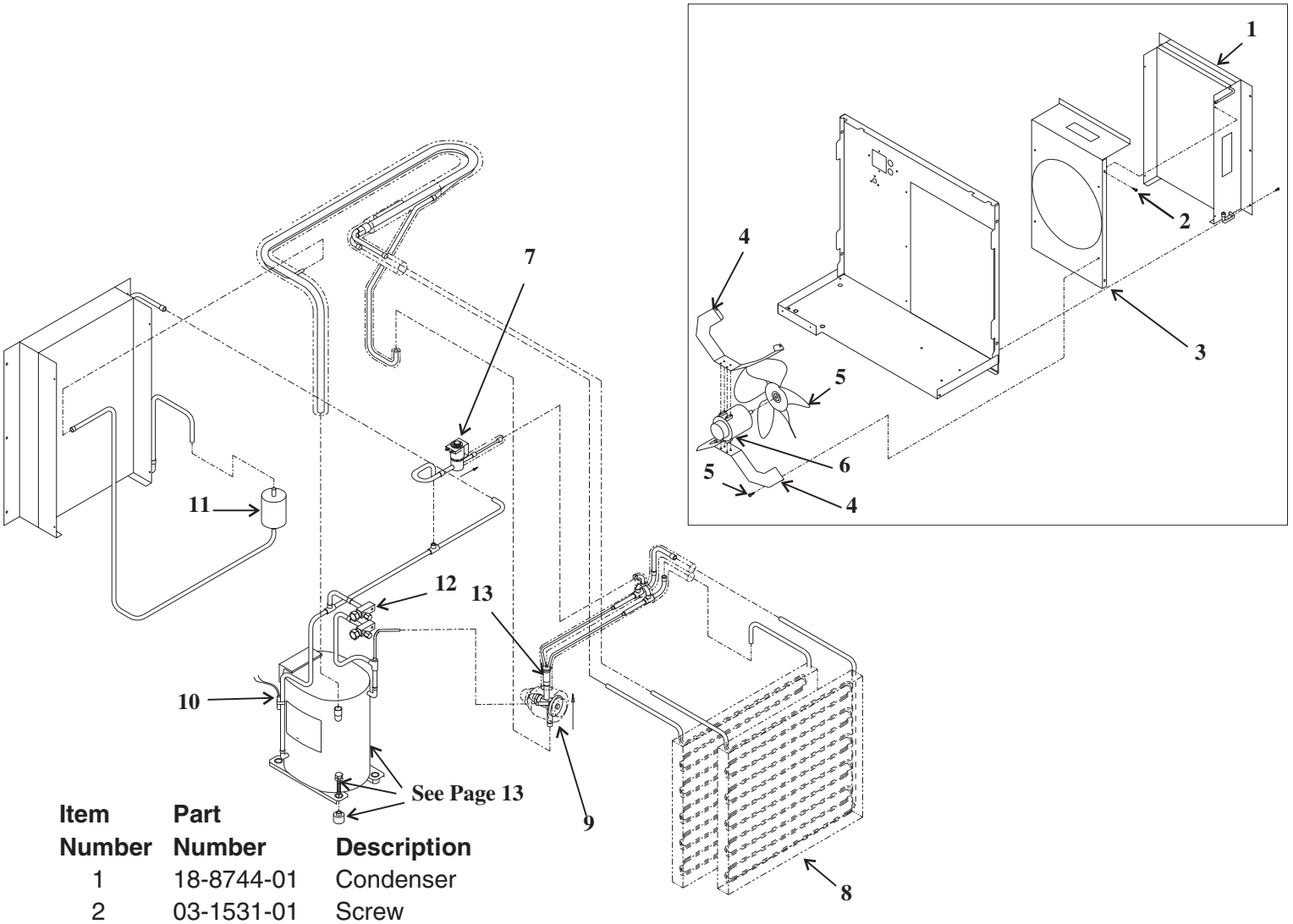
CME256 Air Cooled Refrigeration



Item Number	Part Number	Description
1	18-8745-01	Condenser
2	03-1531-01	Screw
3	A36031-001	Shroud
4	A36668-001	Motor bracket
5	18-8503-01	Fan blade
6	**18-5505-01**	**Fan motor (115 VAC)**
	18-5505-11	**Fan motor (230 VAC)**
7	12-2471-21	Hot gas valve w/coil
	12-2719-23	Hot gas valve coil only
8	16-1009-22	TXV
	02-2920-01	Insulation for TXV
9	02-3319-01	Dryer
10	A36734-020	Evaporator
11	16-0832-21	Access valve
11a	16-0832-03	Port cap
11b	16-0832-02	Stem cap
12	02-3410-21	Temp sensor, incl. water temp sensor & clip
	03-1711-01	Sensor clip
13	16-1063-02	Hot gas valve strainer (not shown)

For models with a fan control switch:
The part number of the fan control pressure switch is: 11-0508-21

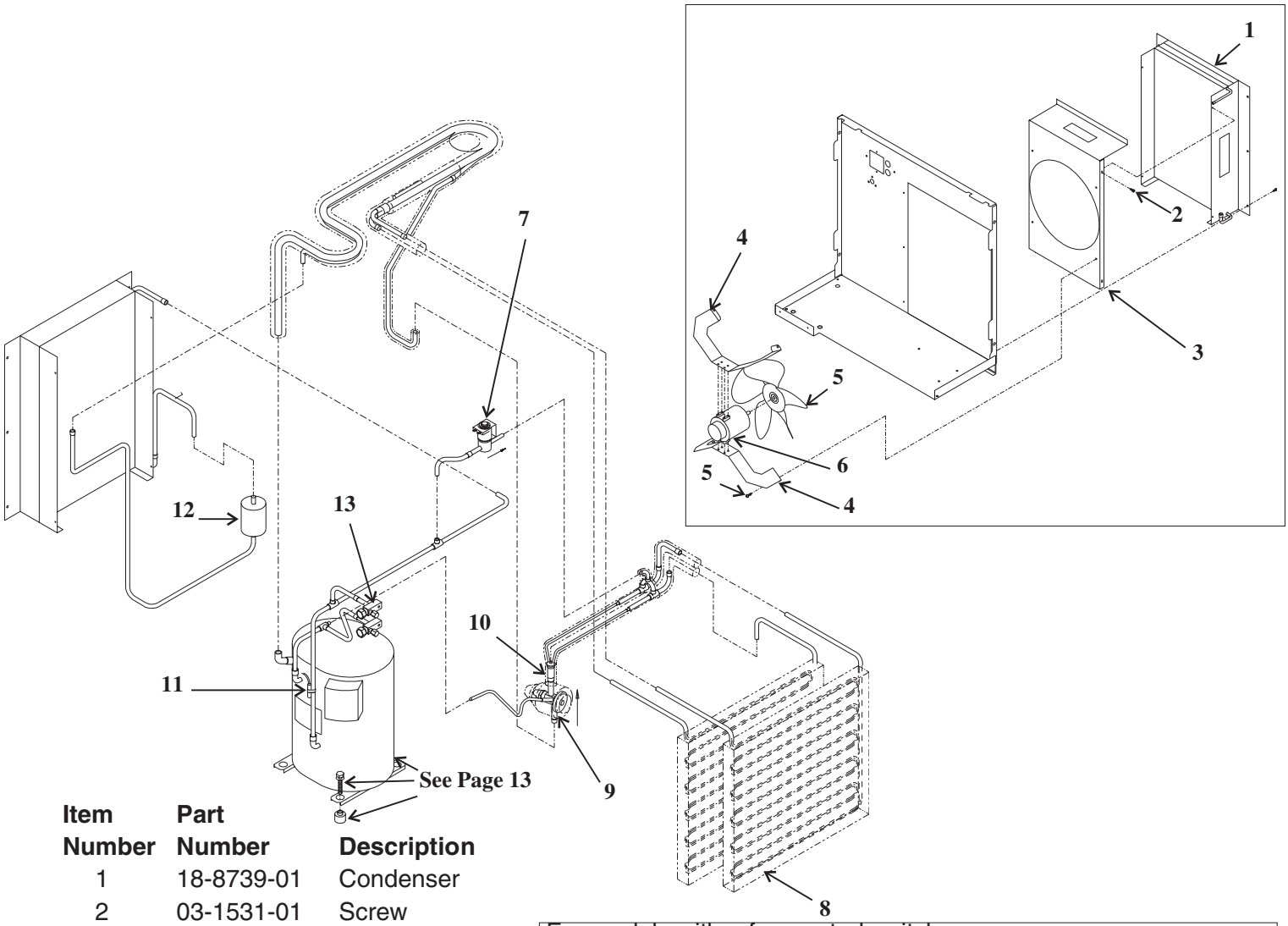
CME506 Air Cooled Refrigeration



Item Number	Part Number	Description
1	18-8744-01	Condenser
2	03-1531-01	Screw
3	A35967-001	Shroud
4	A36668-001	Motor bracket
5	18-8503-01	Fan blade
6	**18-5505-01**	**Fan motor for 115 volt, 60 Hz.**
	18-5505-12	**Fan motor for 230 volt, 50 Hz.**
	18-5505-11	**Fan motor for 230 volt, 60 Hz**
7	12-2471-22	Hot gas valve w/coil
	12-2719-23	Hot gas valve coil only
8	A36734-020	Evaporator
9	16-1017-21	TXV (was 16-0867-21, they are interchangeable)
	02-2920-01	Insulation for TXV
10	02-3410-21	Temp. sensor, includes water temp. & clip
11	02-3319-02	Dryer
12	16-0832-21	Access valve
12a	16-0832-03	Port cap
12b	16-0832-02	Stem cap
13	16-0843-03	Distributor assembly
14	16-1063-01	Hot gas valve strainer (not shown)

For models with a fan control switch:
The part number of the fan control pressure switch is: 11-0508-21

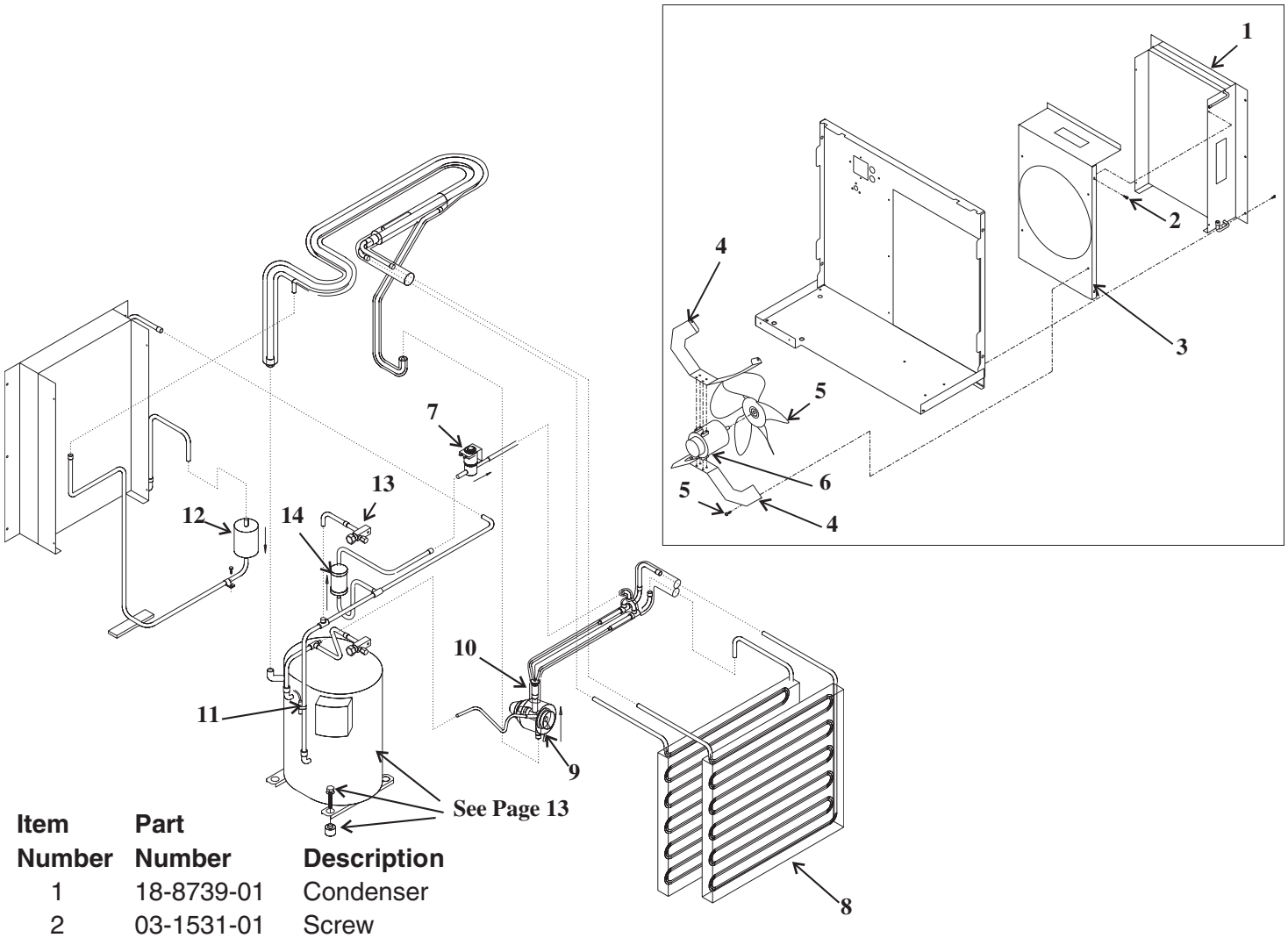
CME656 Air Cooled Refrigeration



Item Number	Part Number	Description
1	18-8739-01	Condenser
2	03-1531-01	Screw
3	A35967-001	Shroud
4	A36668-001	Motor bracket
5	18-8503-01	Fan blade
6	**18-5505-11**	**Fan motor for 60 Hz.**
	18-5505-12	**Fan motor for 50 Hz.**
7	12-2471-22	Hot gas valve w/coil
	12-2719-23	Hot gas valve coil only
8	A36734-020	Evaporator
9	16-1018-21	TXV (was 16-0867-22)
	02-2920-01	Insulation for TXV
10	16-0843-02	Distributor and tubes
11	02-3410-21	Temperature sensor, includes water temp sensor & clip
	03-1711-01	Clip
12	03-3319-02	Dryer
13	16-0832-21	Access valve
13a	16-0832-03	Port cap
13b	16-0832-02	Stem cap
14	16-1063-01	Hot gas valve strainer (not shown)

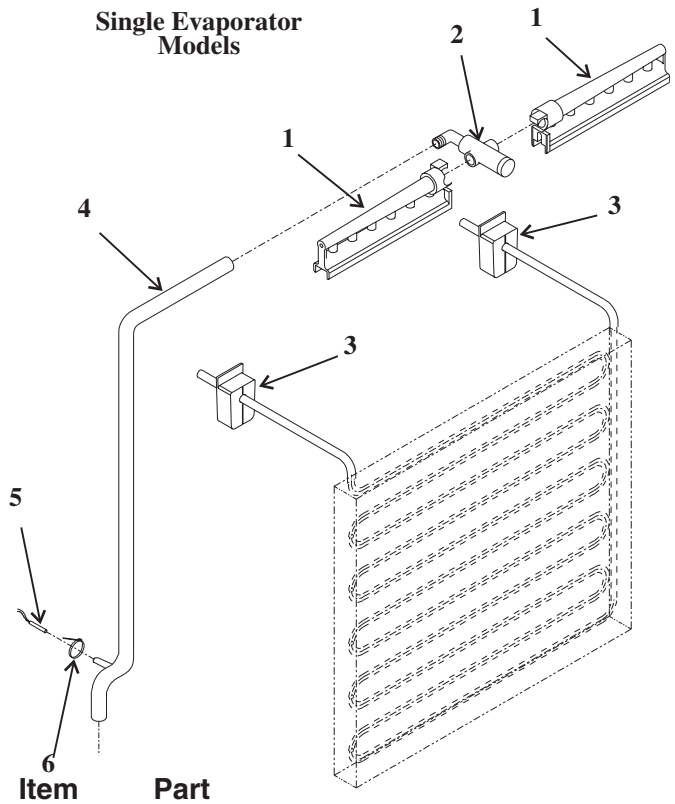
For models with a fan control switch:
The part number of the fan control pressure switch is: 11-0508-21

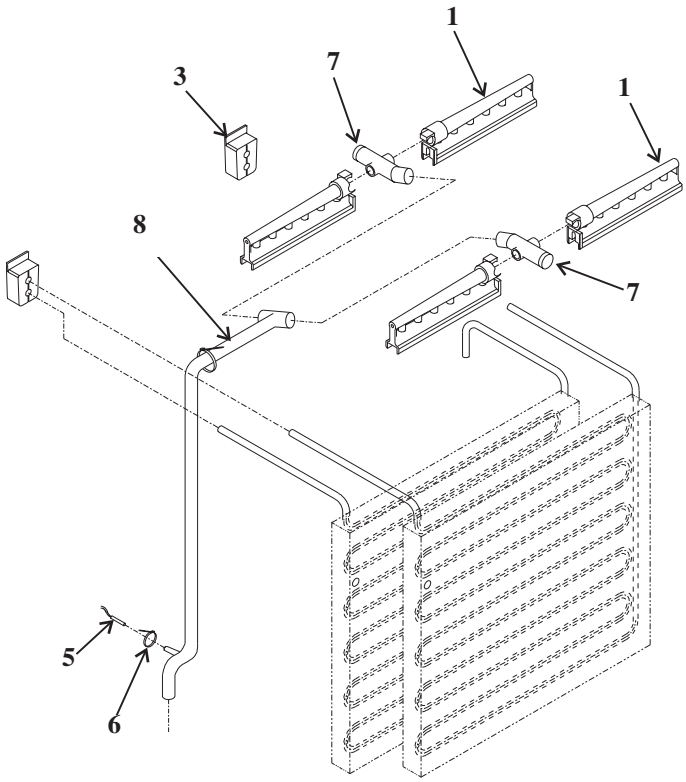
CME806 Air Cooled Refrigeration



Item Number	Part Number	Description
1	18-8739-01	Condenser
2	03-1531-01	Screw
3	A35967-001	Shroud
4	A36668-001	Motor bracket
5	18-8503-01	Fan blade
6	**18-8829-01**	**Fan motor for 60 Hz.**
	18-8829-02	**Fan motor for 50 Hz.**
7	12-2471-24	Hot gas valve complete w/coil
	12-2719-23	Hot gas valve coil only
	12-2733-30	Hot gas valve repair kit (no body, no coil)
8	A36734-020	Evaporator
9	16-1065-21	TXV
	02-3396-01	Insulation for TXV
10	16-0843-02	Distributor and tubes
11	02-3410-21	Temperature sensor, includes water temp sensor & clip
	03-1711-01	Clip
12	03-3319-02	Dryer
13	16-0832-21	Access valve
13a	16-0832-03	Port cap
13b	16-0832-02	Stem cap
14	16-1063-01	Hot gas valve strainer

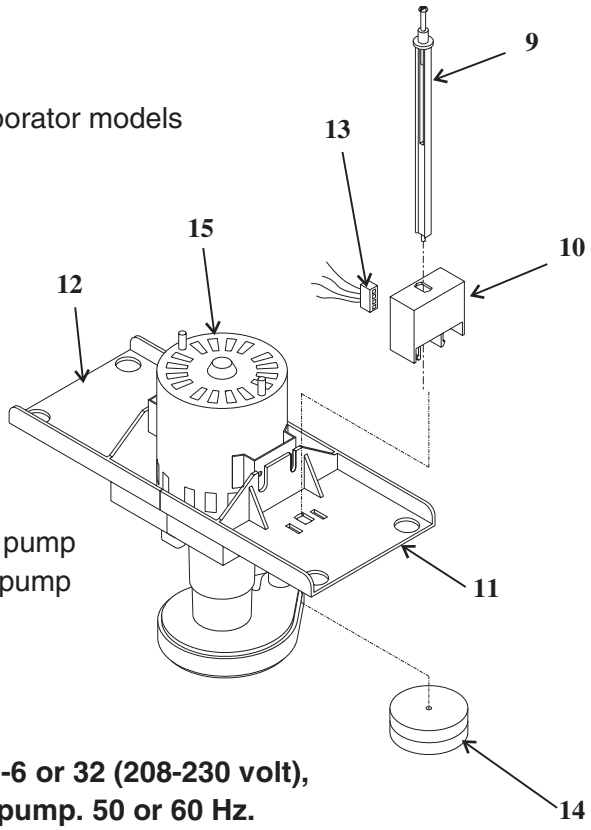
Water System Components





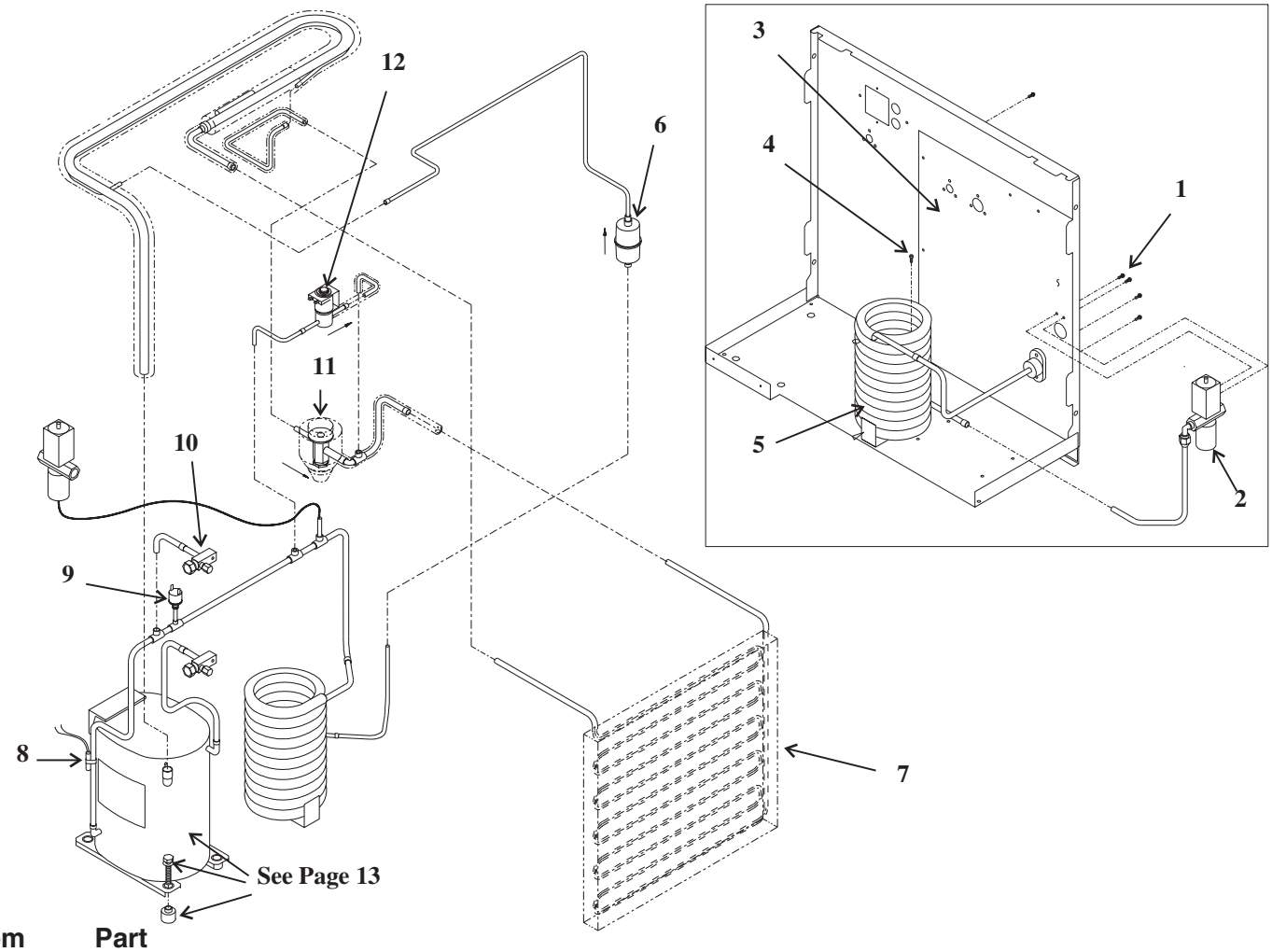
Two Evaporator Models

Item Number	Part Number	Description
1	02-2527-01	Water distributor
2	A30926-001	Distributor manifold
3	13-0898-02	Tubing grommet
4	02-3361-01	Water discharge tube for **single** evaporator models
5	02-3410-21	Water temperature sensor includes disch. temp. sensor
6	no number	Cable tie
7	02-3405-01	Inlet Tee
	13-0840-01	Rubber plug
8	02-3336-01	Water distributor tube for **double** evaporator models
9	02-3383-01	Float stem, **1 evaporator model***
	02-3383-02	Float stem, **2 evaporator model***
10	02-3707-21	Float (water level) sensor
11	02-3388-04	Front pump bracket for 12-2586 type pump
12	02-3388-05	Rear pump bracket for 12-2586 type pump
13	12-2506-01	Harness
14	02-3341-01	Float
15	12-2586-21	**CME256-1 (115 volt) pump**
	12-2586-22	**CME506-1 (115 volt) pump**
	12-2586-23	**CME256-32 (208-230 volt), CME506-6 or 32 (208-230 volt), CME656 or CME806 (208-230 volt) pump. 50 or 60 Hz.**



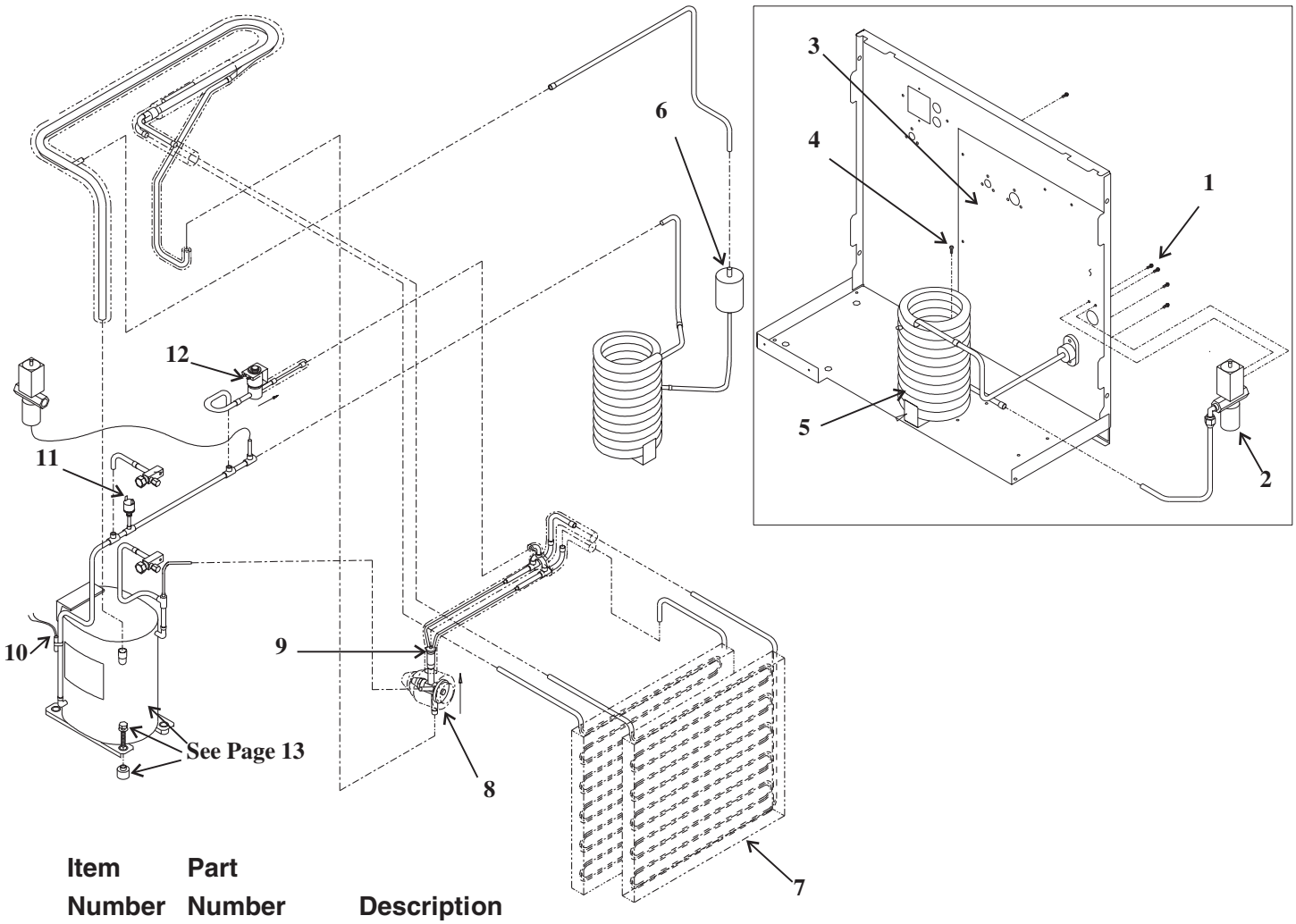
* Not adjustable after 2/97. Then 1 evap model white, 2 evap. model grey.

CME256 Water Cooled Refrigeration



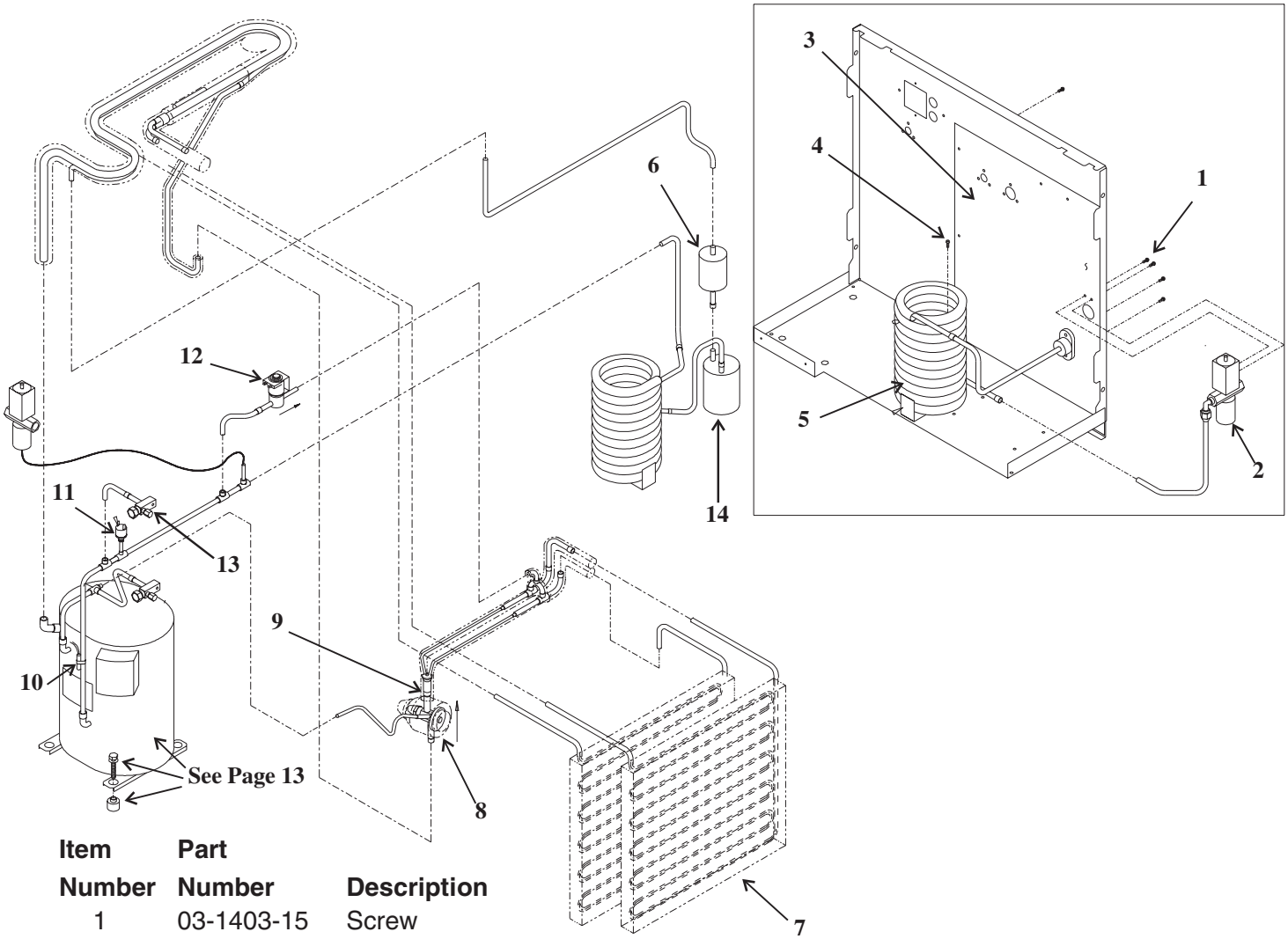
Item Number	Part Number	Description
1	03-1403-15	Screw
2	11-0478-21	Water regulating valve
3	A36440-001	Back cover
4	03-1645-01	Screw
5	18-3306-25	Condenser
6	02-3319-01	Dryer
7	A36734-020	Evaporator
8	02-3410-21	Hi temperature sensor, includes water temp sensor & clip
	03-1711-01	Clip for sensor
9	11-0501-21	Hi pressure cut out
10	16-0832-21	Access valve
10a	16-0832-03	Port cap
10b	16-0832-02	Stem cap
11	16-1009-22	TXV 1/4 ton
	02-2920-01	Insulation for TXV
12	12-2471-21	Hot gas valve w/coil
	12-2719-23	Hot gas valve coil only
13	16-1063-02	Hot gas valve strainer (not shown)

CME506 Water Cooled Refrigeration



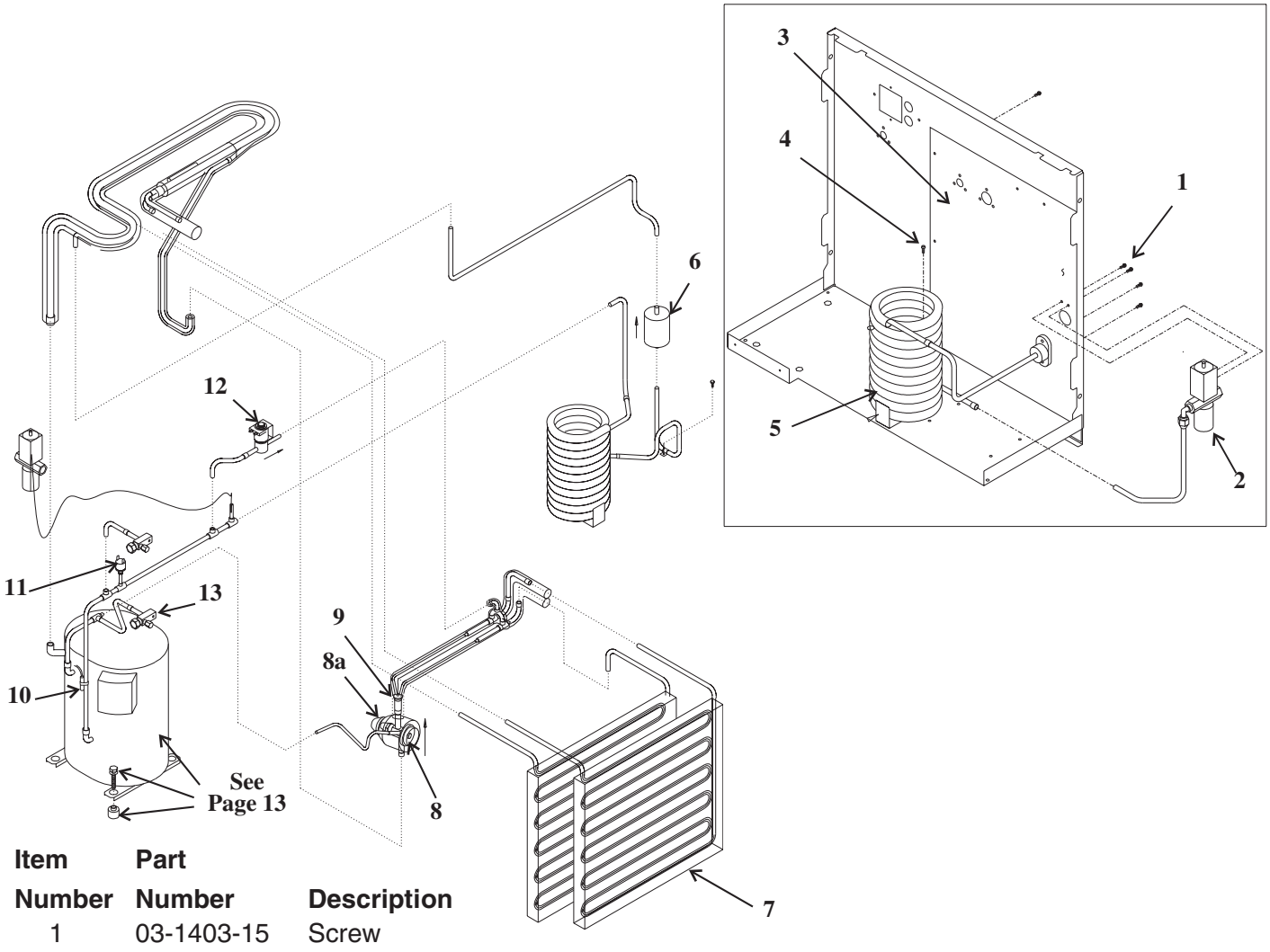
Item Number	Part Number	Description
1	03-1403-15	Screw
2	11-0478-21	Water regulating valve
3	A36440-001	Back cover
4	03-1645-01	Screw
5	18-3306-25	Condenser
6	02-3319-02	Dryer
7	A36734-020	Evaporator
8	16-1017-21	TXV 1/2 ton (was 16-0867-21)
	02-2920-01	Insulation for TXV
9	16-0843-03	Distributor and tubes
10	02-1310-21	Hi temperature sensor, includes water temperature sensor
	03-1711-01	Clip for sensor
11	11-0501-21	Hi pressure cut out
12	12-2471-22	Hot gas valve w/coil
	12-2719-23	Hot gas valve coil only
13	16-0832-21	Access valve
13a	16-0832-03	Port cap
14	16-1063-01	Hot gas valve strainer, not shown

CME656 Water Cooled Refrigeration



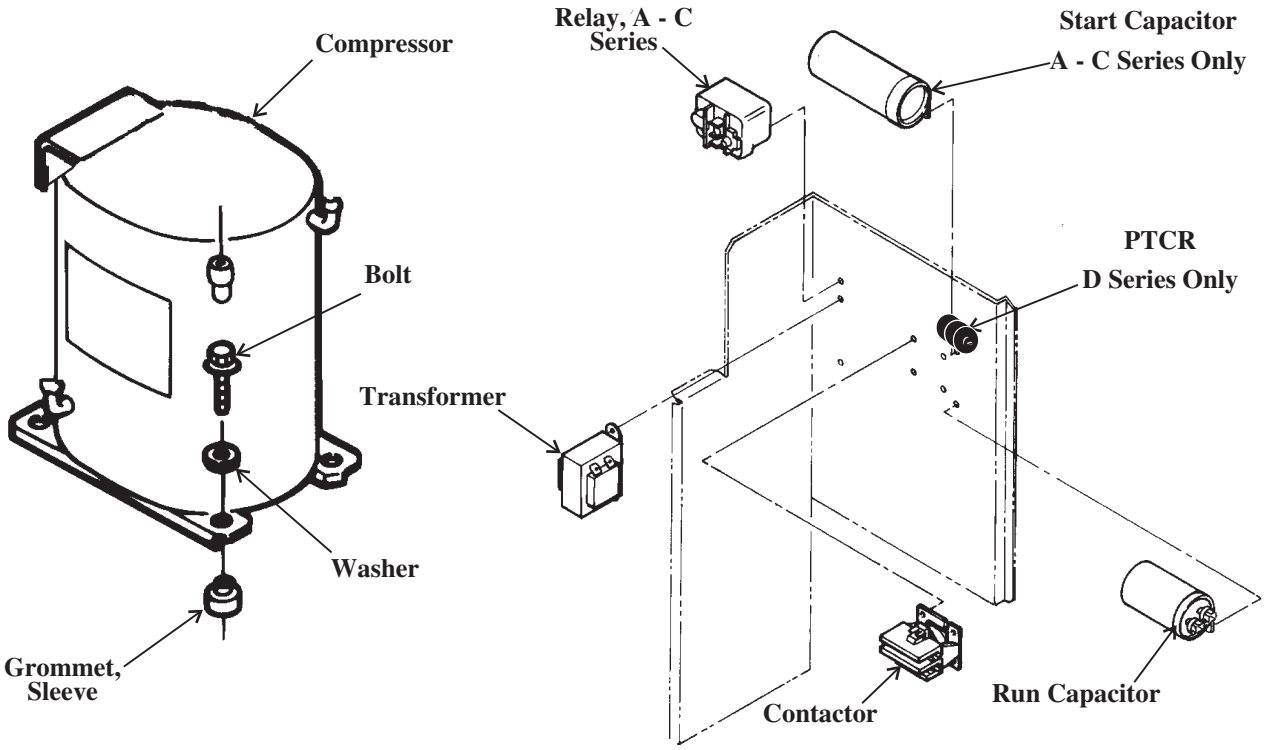
Item Number	Part Number	Description
1	03-1403-15	Screw
2	11-0478-21	Water regulating valve
3	A36440-001	Back cover
4	03-1645-01	Screw
5	18-6900-25	Condenser
6	02-3319-02	Dryer
7	A36734-020	Evaporator
8	16-1018-21	TXV 1/2 ton (was 16-0867-22)
	02-2920-01	Insulation for TXV
9	16-0843-02	Distributor and tubes
10	02-3410-21	Hi temperature sensor, includes water temperature sensor
	03-1711-01	Clip for sensor mounting
11	11-0501-21	Hi pressure cut out
12	12-2471-22	Hot gas valve w/coil
	12-2719-23	Hot gas valve coil only
13	16-0832-21	Access valve
13a	16-0832-03	Port cap
14	16-0874-01	Receiver
15	16-1063-01	Hot gas valve strainer, not shown

CME806 Water Cooled Refrigeration



Item Number	Part Number	Description
1	03-1403-15	Screw
2	11-0478-21	Water regulating valve
3	A36440-001	Back cover
4	03-1645-01	Screw
5	18-6900-21	Condenser
6	02-3319-02	Dryer
7	A36734-020	Evaporator
8	16-1065-21	TXV 1/2 ton
8a	02-3396-01	Insulation for TXV
9	16-0843-02	Distributor and tubes
10	02-3410-21	Hi temperature sensor, includes water temperature sensor
	03-1711-01	Clip for sensor mounting
11	11-0501-21	Hi pressure cut out
12	12-2471-24	Hot gas valve complete w/coil
	12-2719-23	Hot gas valve coil only
	12-2733-30	Hot gas valve repair kit, no coil, no body
13	16-0832-21	Access valve
13a	16-0832-03	Port cap
14	16-1063-01	Hot gas valve strainer, not shown

Compressors and Electrical Components for CME256 and CME506



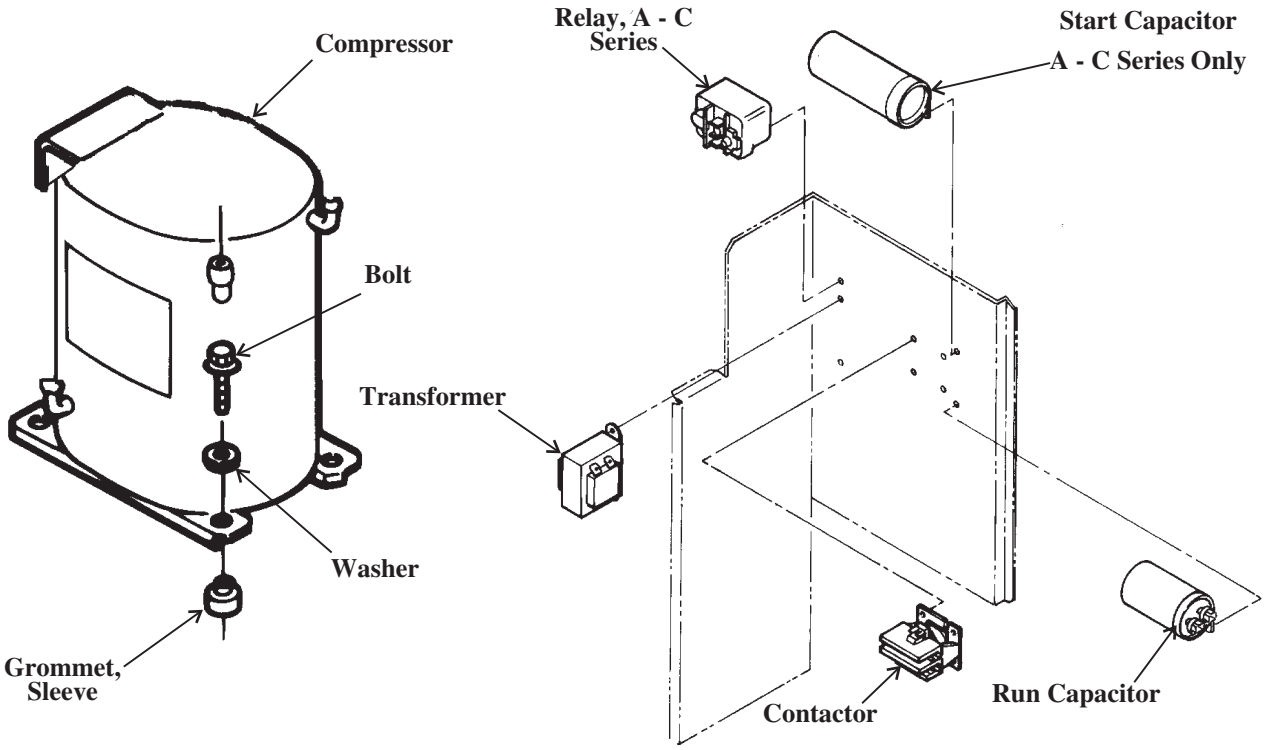
Model	CME256			CME506		
Voltage/Hz	115/60	208-230/60	230/50	115/60	208-230/60	230/50
Phase	Single	Single	Single	Single	Single	Single
Compressor	18-8720-21*	18-8838-23*	18-8838-22	18-8721-21*	18-8839-23*	18-8721-22
PTCR - **D series only**	18-8835-01	18-8835-01	18-8835-01	18-8835-01	18-8835-01	18-8835-01
Start Relay**	18-1903-44	not used	not used	18-1903-50	not used	18-1903-29
Start Capacitor	18-1901-49	not used	18-2200-35	18-1901-03	not used	18-1901-43
Run Capacitor	18-1902-52	18-1902-17	not used	18-1902-45	18-1902-45	18-1902-30
Overload	18-5700-50	18-8838-50	18-5700-55	18-8711-50	18-8839-50	18-8721-50
Mounting Bolt	03-1405-20	03-1405-20	03-1405-20	03-1405-20	03-1405-20	03-1405-20
Sleeve	18-2200-27	18-2200-27	18-2200-27	18-2200-27	18-2200-27	18-2200-27
Washer	03-1407-07	03-1407-07	03-1407-07	03-1407-07	03-1407-07	03-1407-07
Grommet	18-2200-28	18-2200-28	18-2200-28	18-2200-28	18-2200-28	18-2200-28
Contactor	12-2469-01	12-2469-01	12-2469-01	12-2469-01	12-2469-01	12-2469-01
Transformer	A37231-001	A37217-001	12-2639-02	A37231-001	A37217-001	A37217-001

* Includes starting components. All compressors include a drier.

**** D series uses PTCR**

-6B, C, D series	Transformer	Hi Voltage Harness	Fuse	Fuse Block	Relay	Relay Bracket
CME256 or CME506	12-2639-02	12-2678-21	12-2686-01	12-2687-01	12-2679-01	12-2680-01

Compressors and Electrical Components for CME656 and CME806



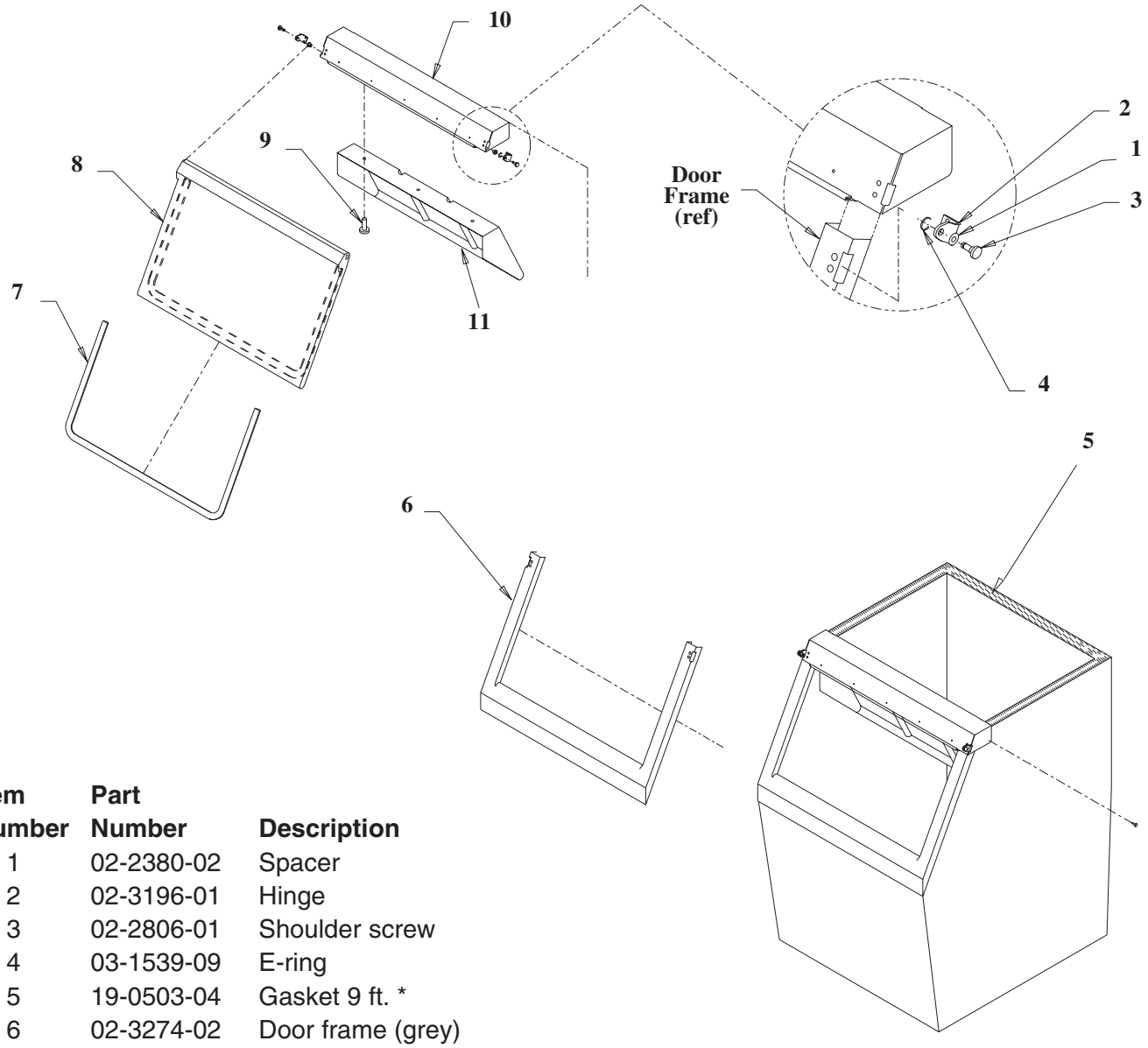
Model	CME656			CME806	
Voltage/Hz	208-230/60	208-230/60	230/50	208-230/60	230/50
Phase	Single	Three	Single	Single	Single
Compressor	18-8813-23*	18-8813-25	18-8813-27	18-8749-22*	18-8749-27
PTCR - **D series only**	18-8835-01	18-8835-01	18-8835-01	18-8835-01	18-8835-01
Start Relay**	18-1903-33	not used	18-1903-29	18-1903-46	18-1903-33
Start Capacitor**	18-1901-15	not used	18-1901-52	18-1901-48	18-1901-48
Run Capacitor	18-1902-53	not used	18-1902-53	18-1902-55	18-1902-55
Overload	internal	internal	internal	internal	internal
Mounting Bolt	03-1405-20	03-1405-20	03-1405-20	03-1405-20	03-1405-20
Sleeve	18-2200-27	18-2200-27	18-2200-27	18-2200-27	18-2200-27
Washer	03-1407-07	03-1407-07	03-1407-07	03-1407-07	03-1407-07
Grommet	18-2200-28	18-2200-28	18-2200-28	18-2200-28	18-2200-28
Contactor	12-2469-01	12-2533-01	12-2469-01	12-2469-01	12-2469-01
Transformer	A37217-001	A37217-001	A37217-001	A37217-001	A37217-001

* Includes starting components. All compressors include a drier.

**** D series uses PTCR**

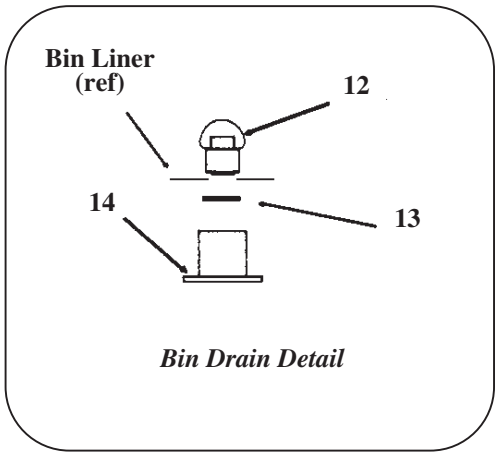
-6B, C, D series	Transformer	Hi Voltage Harness	Fuse	Fuse Block	Relay	Relay Bracket
CME656 or CME806	12-2639-02	12-2678-21	12-2686-01	12-2687-01	12-2679-01	12-2680-01

HTB555 Ice Storage Bin



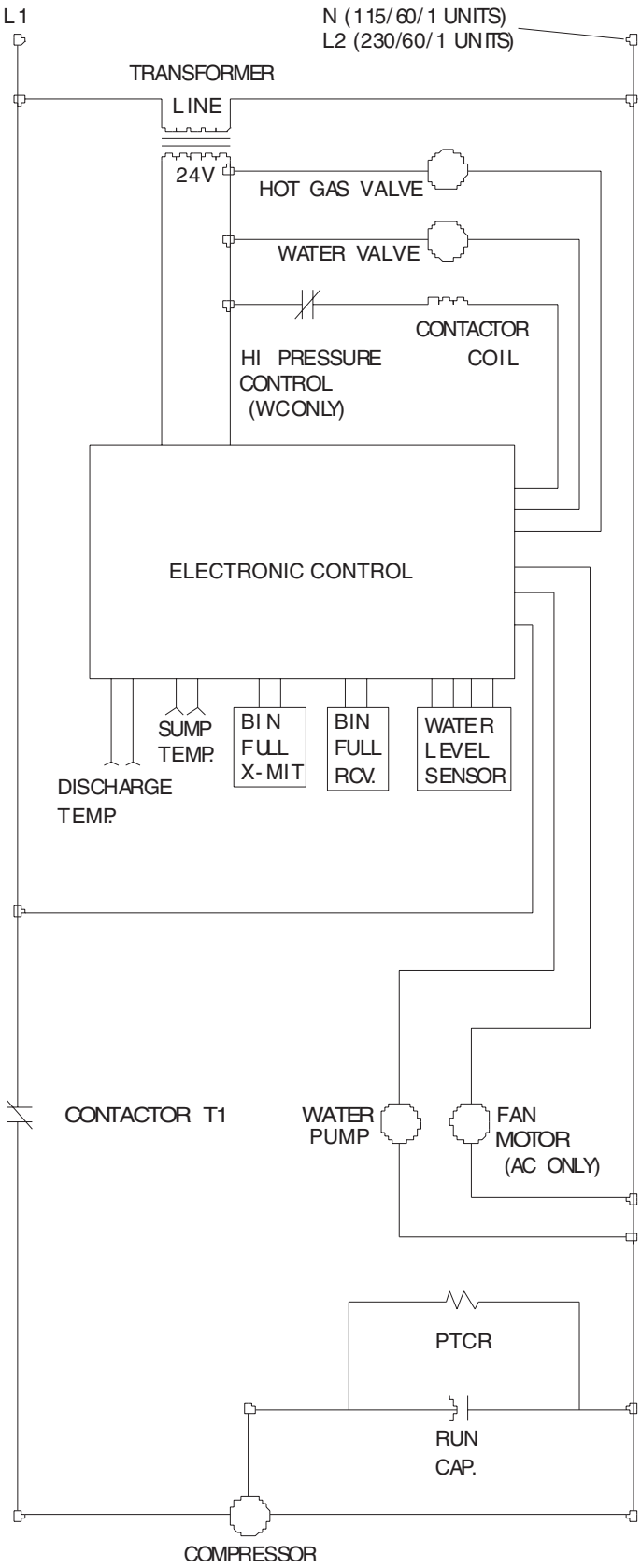
Item Number	Part Number	Description
1	02-2380-02	Spacer
2	02-3196-01	Hinge
3	02-2806-01	Shoulder screw
4	03-1539-09	E-ring
5	19-0503-04	Gasket 9 ft. *
6	02-3274-02	Door frame (grey)
7	13-0909-01	Door gasket - 58" *
8	A36481-022	Door, grey, includes #7.
9	03-0727-11	Thumb screw
10	A35637-001	Canopy
11	A35640-001	Baffle
12	02-2809-02	Drain top
13	13-0617-09	O-ring
14	02-3108-01	Drain bottom
Not shown		
	03-1404-07	Screw for drain bottom
	05-0586-01	Drain elbow
	02-0540-00	Scoop
	KLP2E	Enamel leg kit

* Order gasket by the foot.

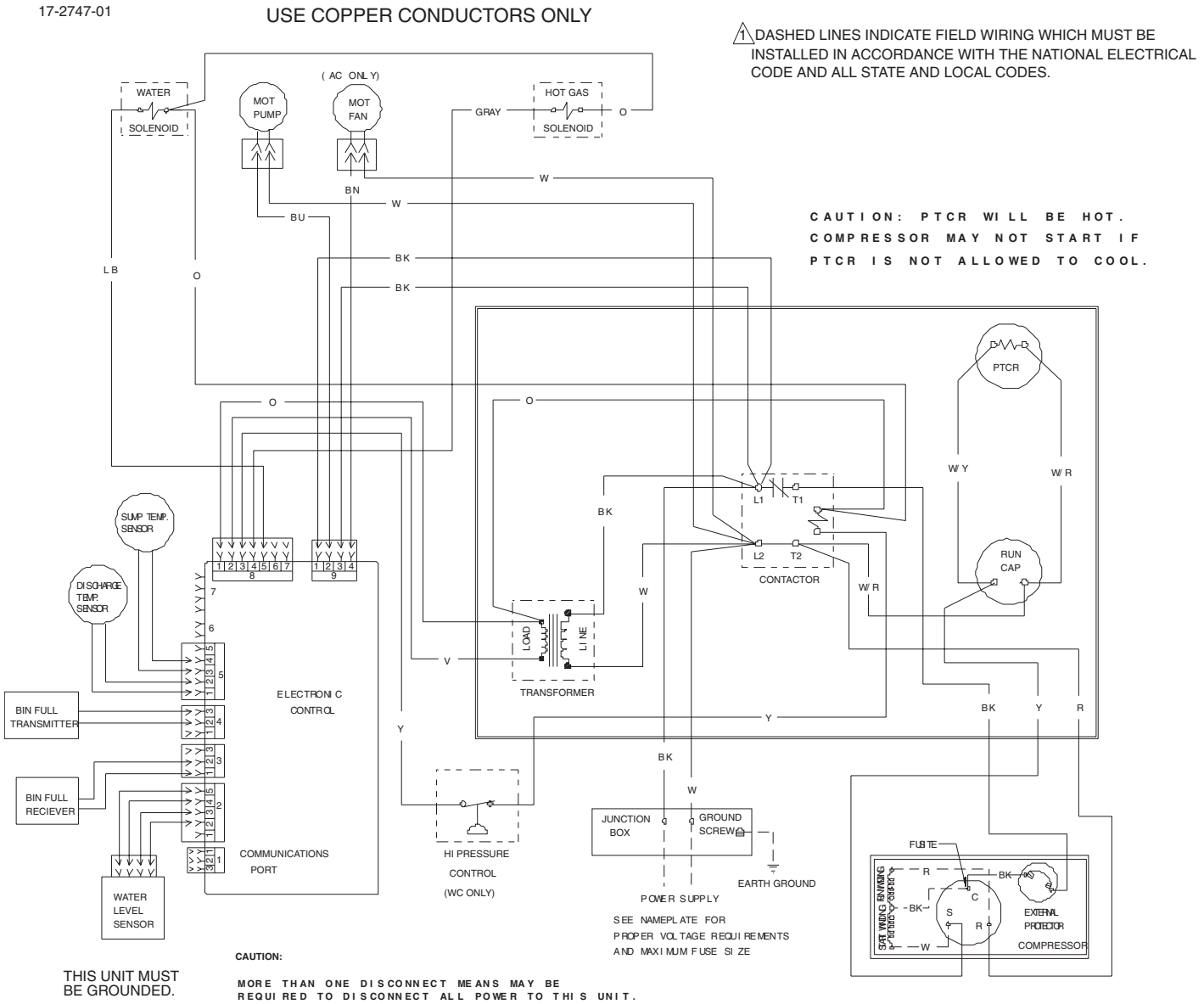


Bin Drain Detail

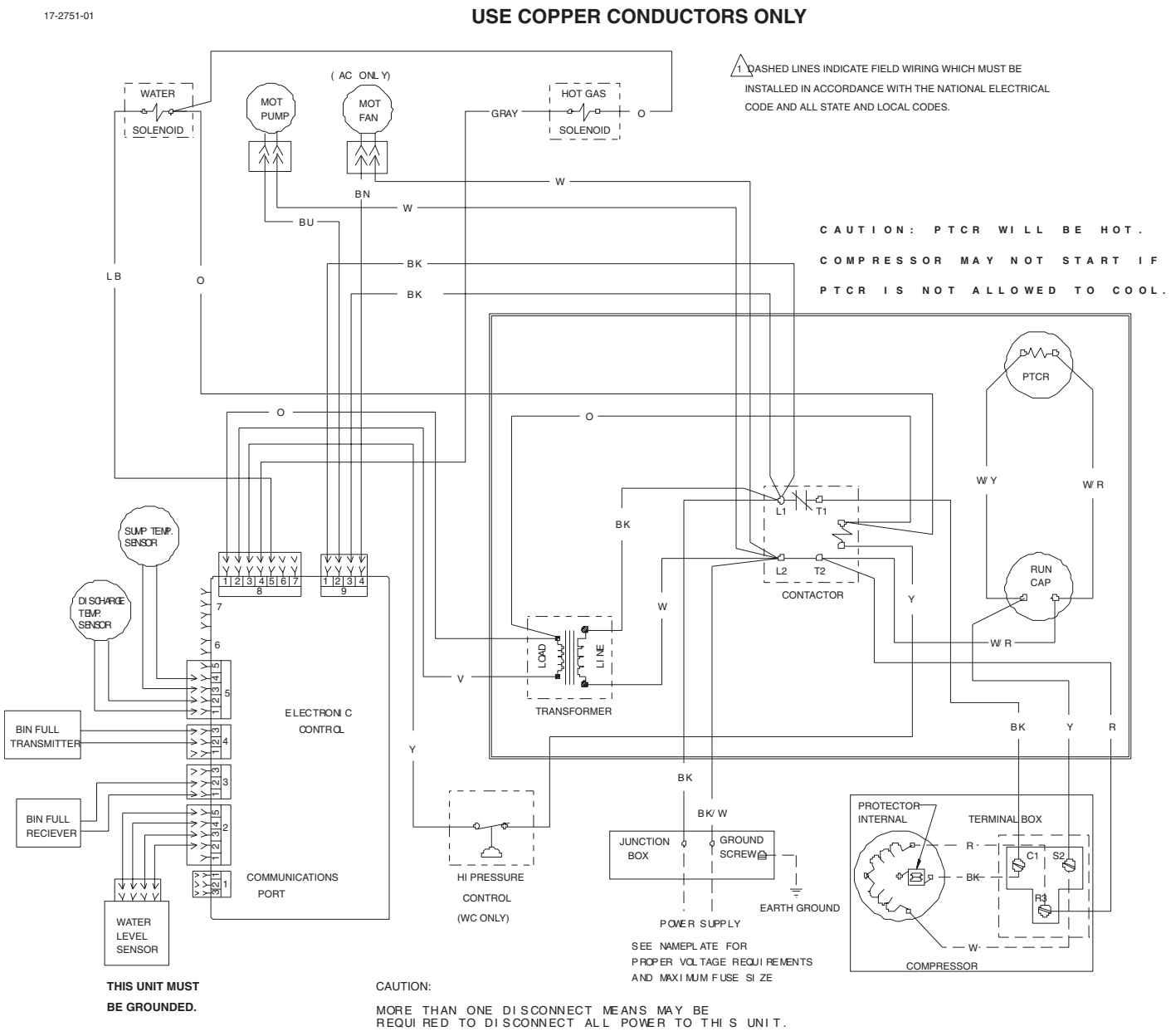
D Series Single Phase 60 Hz Schematic Diagram



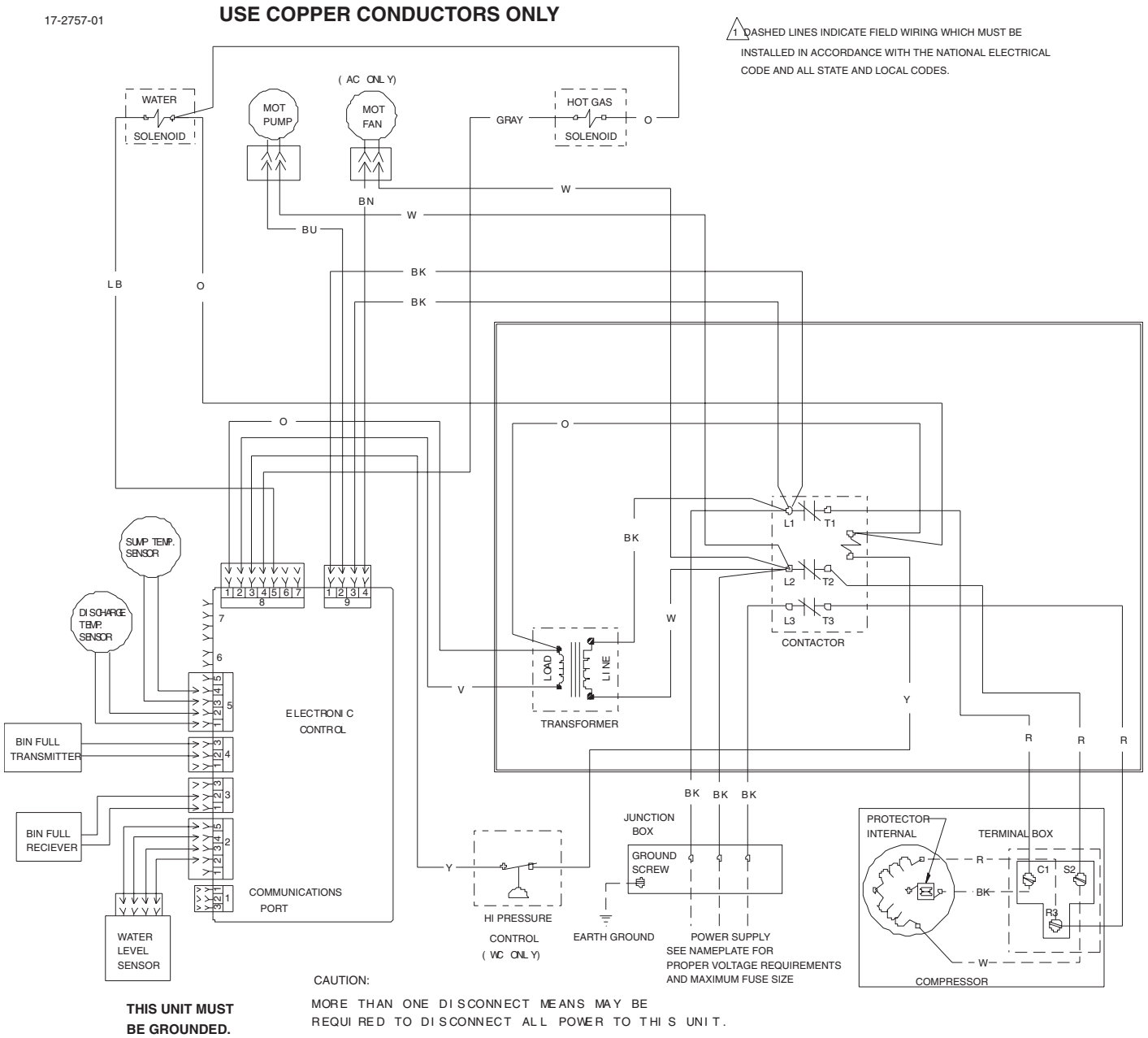
D Series, 115 volt CME256 and CME506 Wiring Diagram



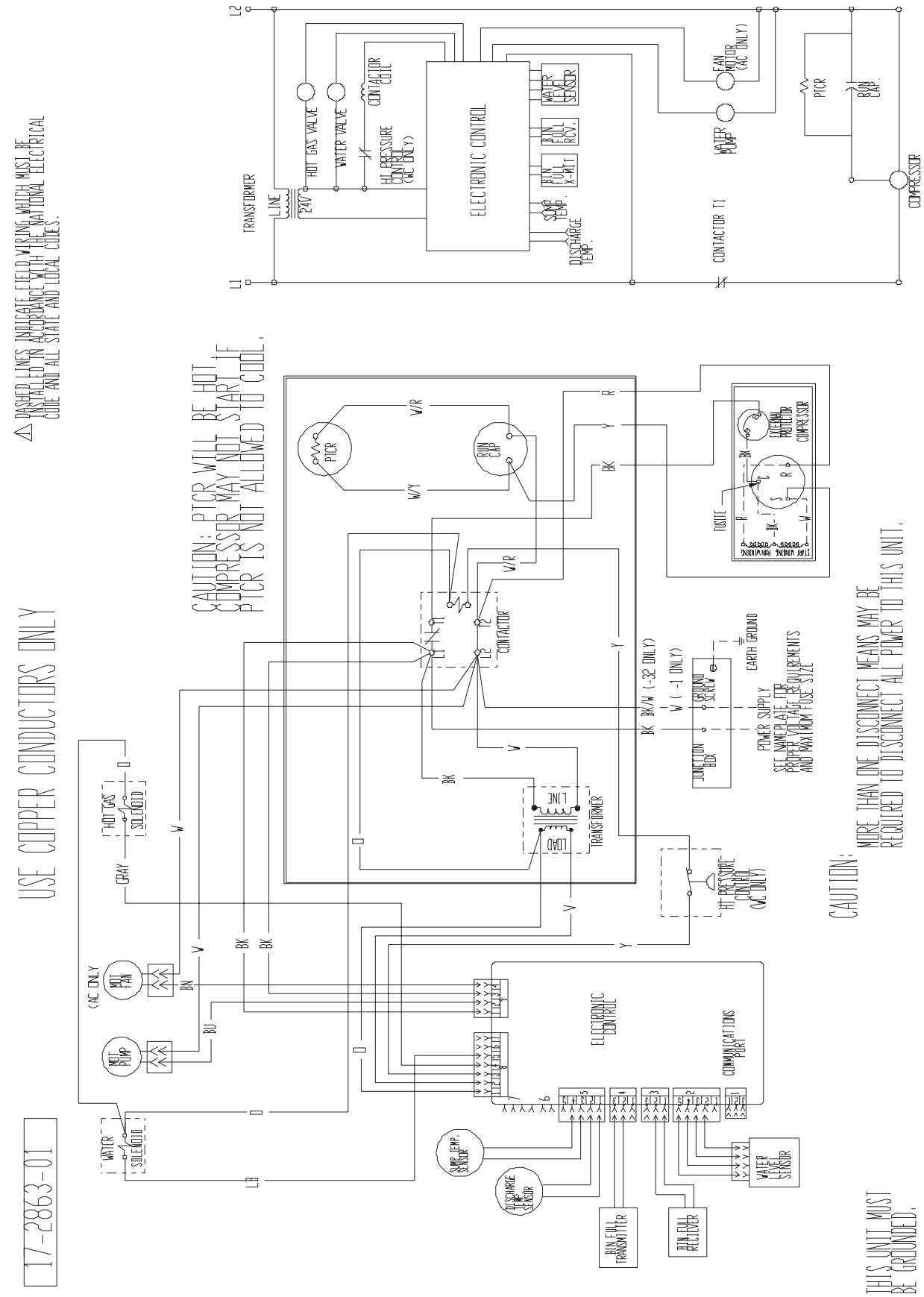
D Series CME656 or CME806 Single Phase Wiring Diagram



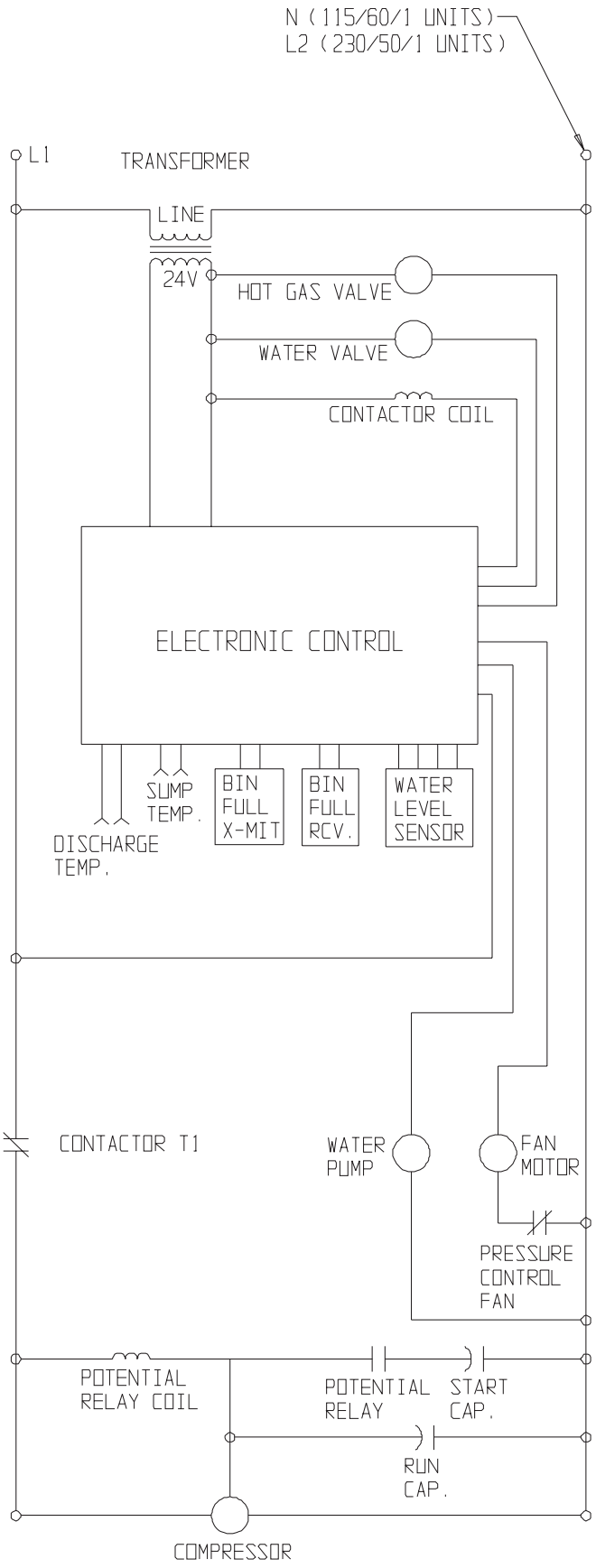
D Series CME656 Three Phase Wiring Diagram



D Series, 230 volt, 60 Hz. CME256 and CME506 Diagram



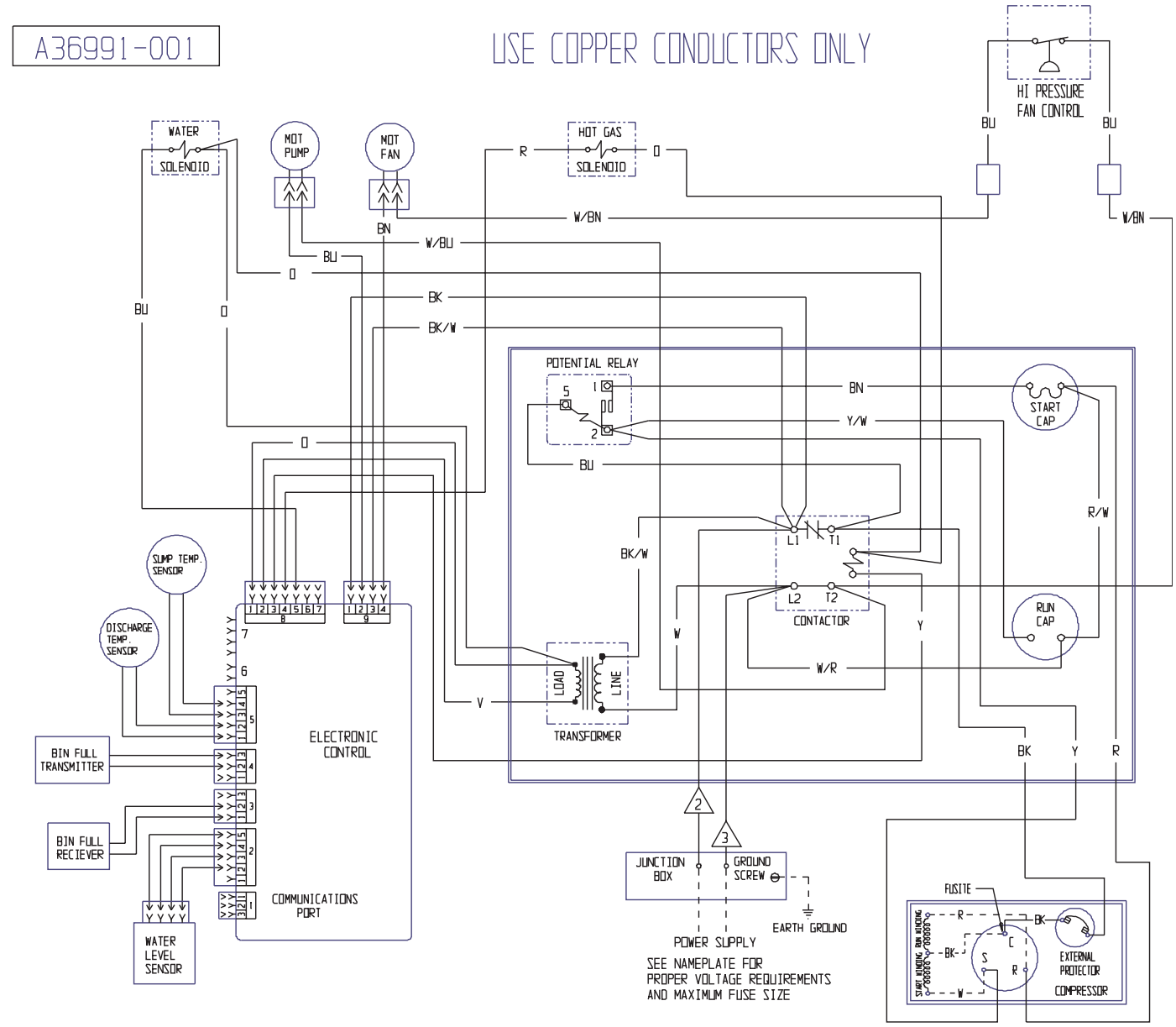
A - C Series Single Phase Air Cooled Schematic Diagram



Note: Fan Pressure Control not used on all units.

A - C Series CME256 and CME506 Air Cooled Wiring Diagram

Note: If Hi Pressure Fan Control is NOT present, W/BN wires connect together at Fan Control location.



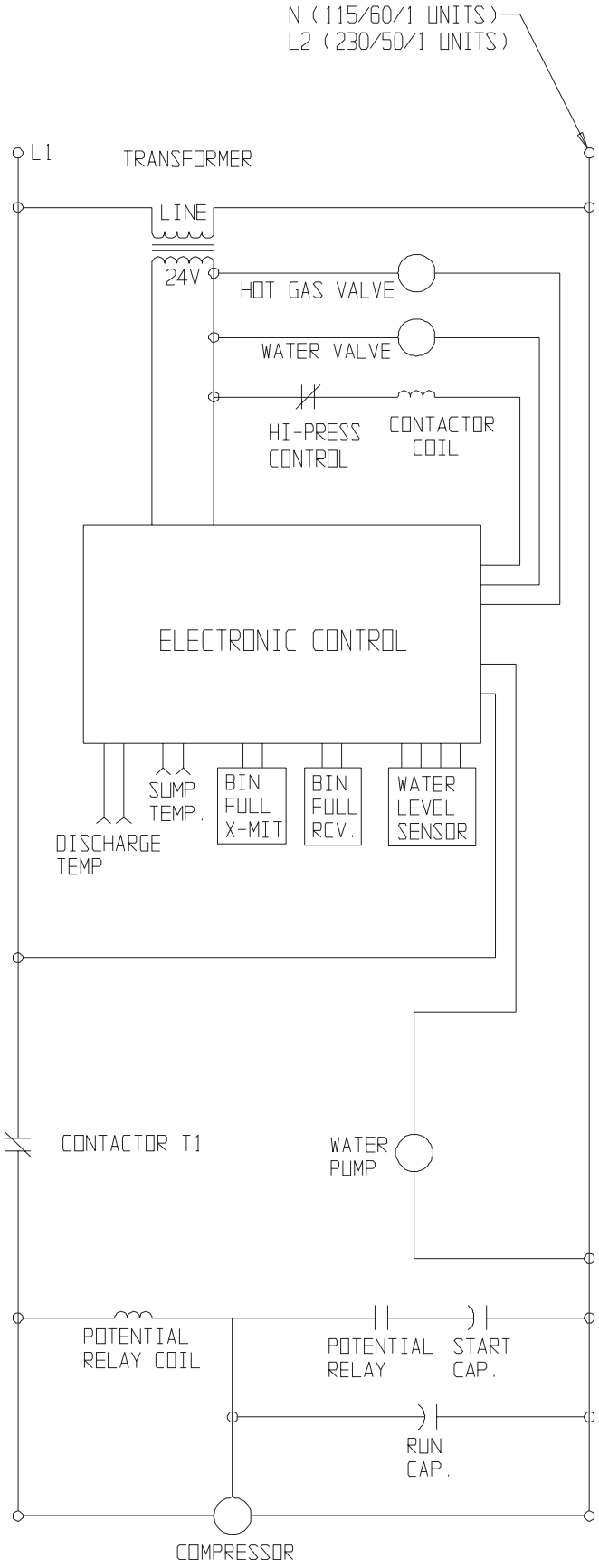
CAUTION:

MORE THAN ONE DISCONNECT MEANS MAY BE REQUIRED TO DISCONNECT ALL POWER TO THIS UNIT.

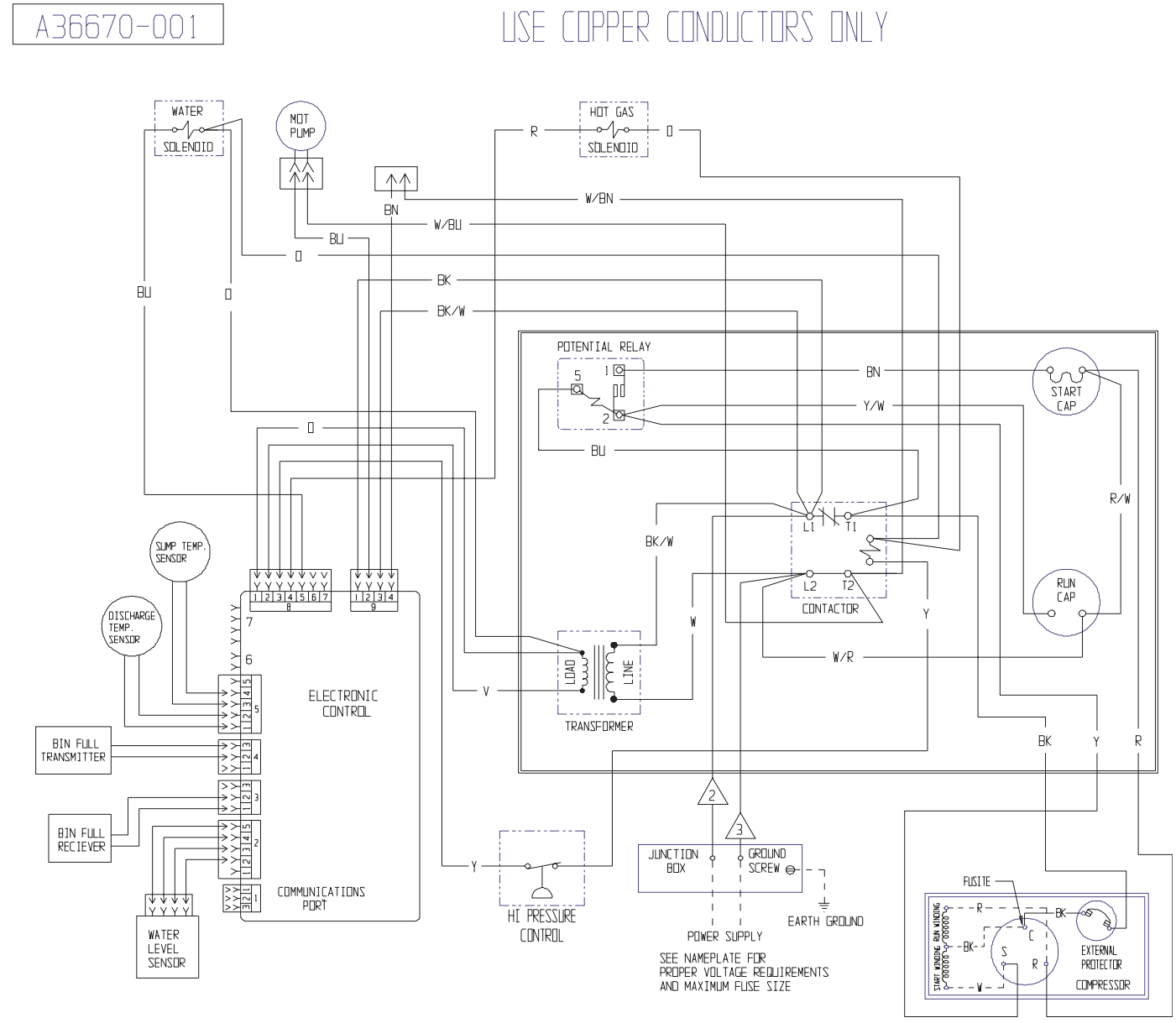
THIS UNIT MUST BE GROUNDED.

1. DASHED LINES INDICATE FIELD WIRING WHICH MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES.
2. WIRE COLOR FOR 115/60/1 UNITS: BLACK
   WIRE COLOR FOR 230/50/1 UNITS : BROWN
3. WIRE COLOR FOR 115/60/1 UNITS: WHITE
   WIRE COLOR FOR 230/50/1 UNITS : BROWN

A - C Series Water Cooled Single Phase Schematic Diagram



A - C Series CME256 and CME506 Water Cooled Wiring Diagram



A - C Series CME656 or CME806 Air Cooled Single Phase Wiring Diagram

Note: If Hi Pressure Fan Control is NOT present, W/BN wires connect together at Fan Control location.

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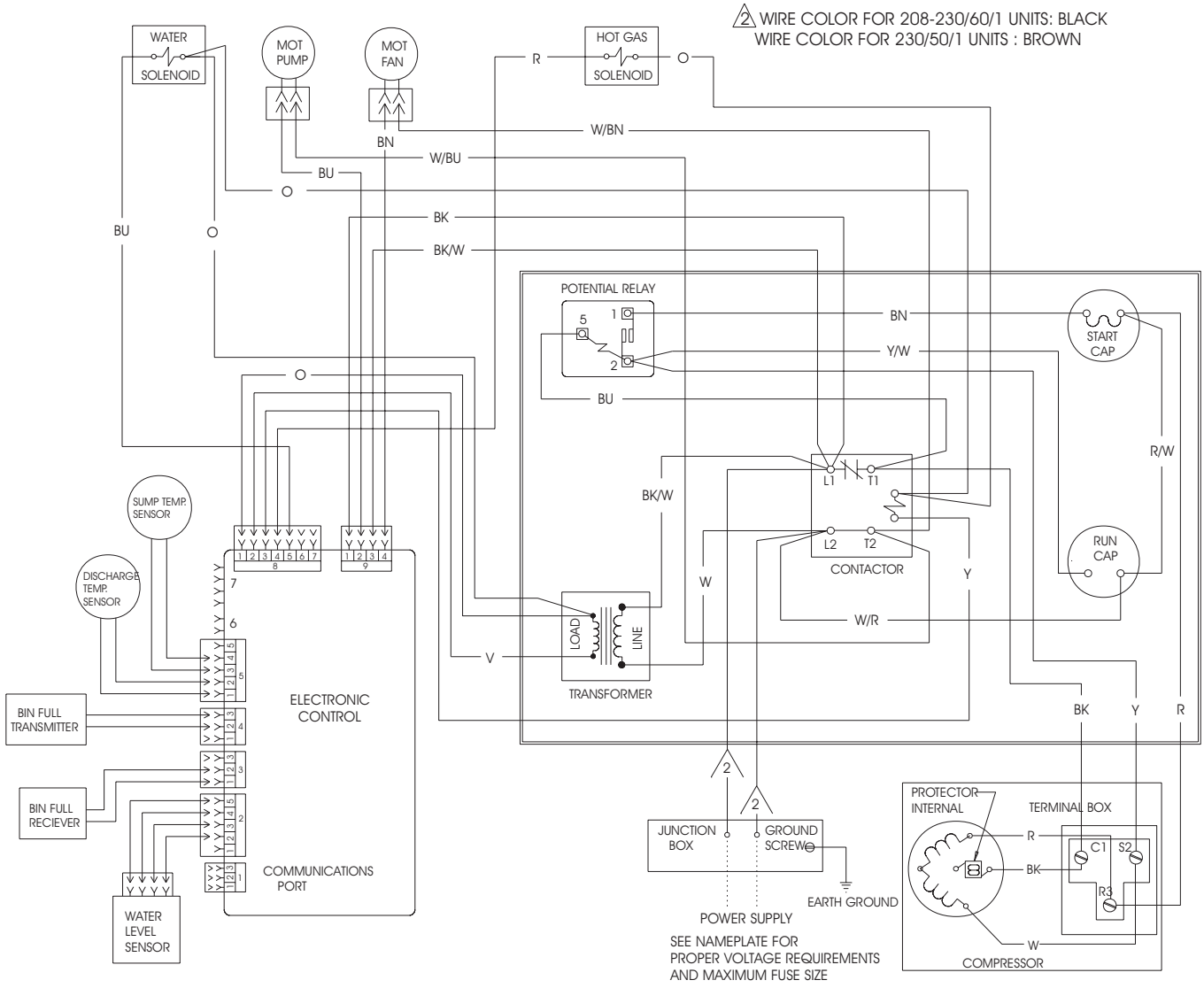
USE COPPER CONDUCTORS ONLY

1. DASHED LINES INDICATE FIELD WIRING WHICH MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES.
2. WIRE COLOR FOR 208-230/60/1 UNITS: BLACK
   WIRE COLOR FOR 230/50/1 UNITS : BROWN

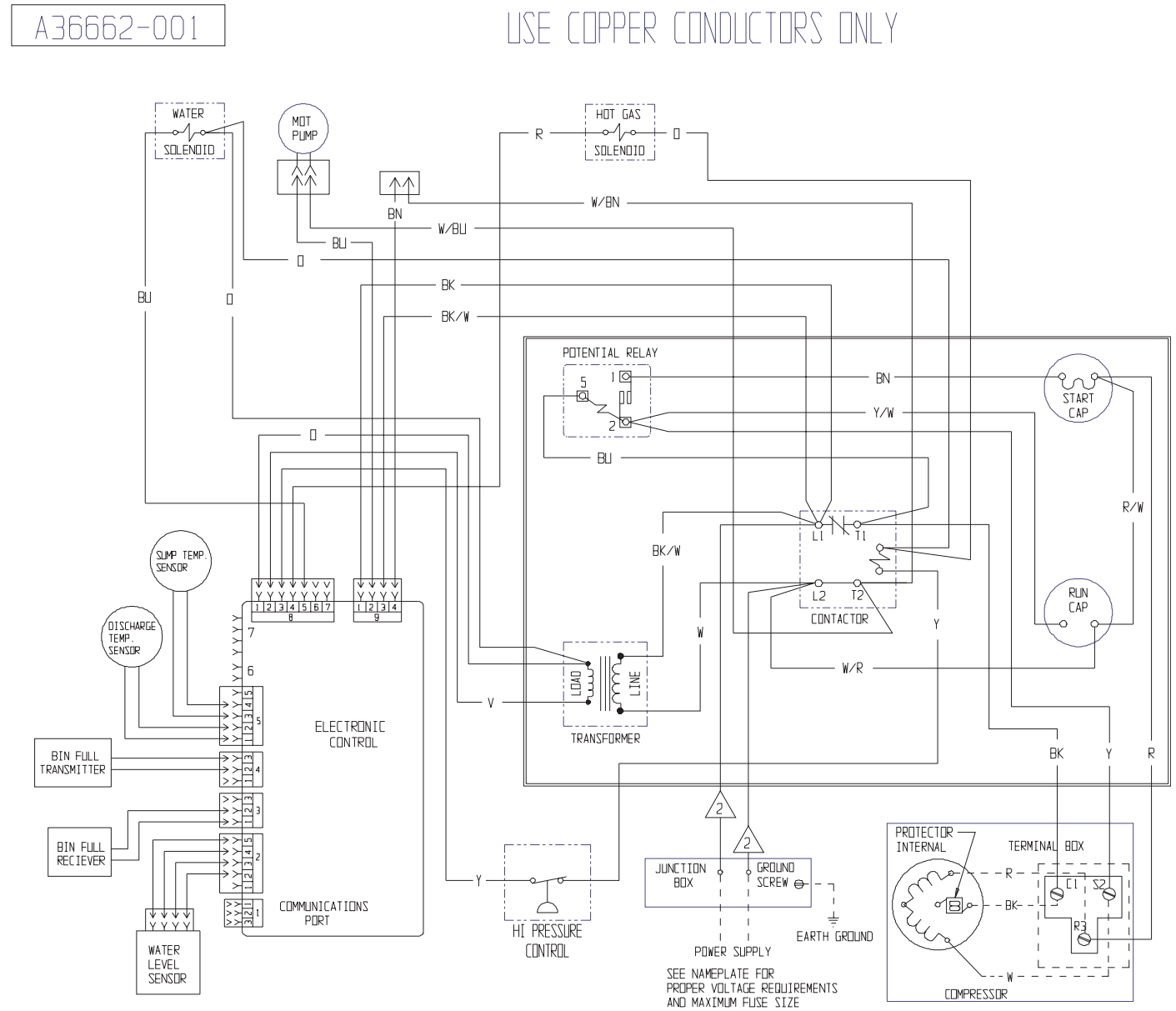


THIS UNIT MUST BE GROUNDED.

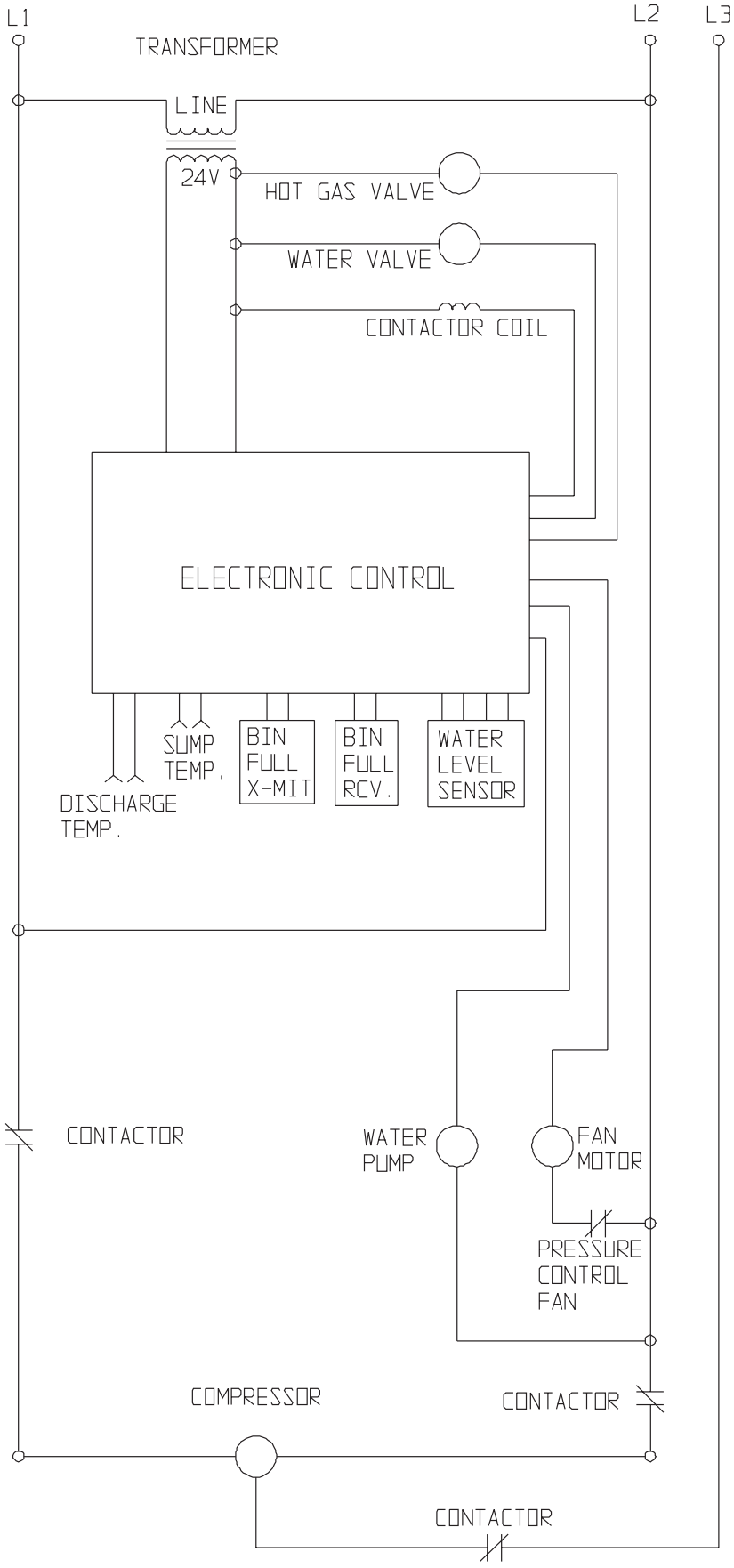
CAUTION:

MORE THAN ONE DISCONNECT MEANS MAY BE REQUIRED TO DISCONNECT ALL POWER TO THIS UNIT.

A - C Series CME656 Water Cooled Single Phase Wiring Diagram



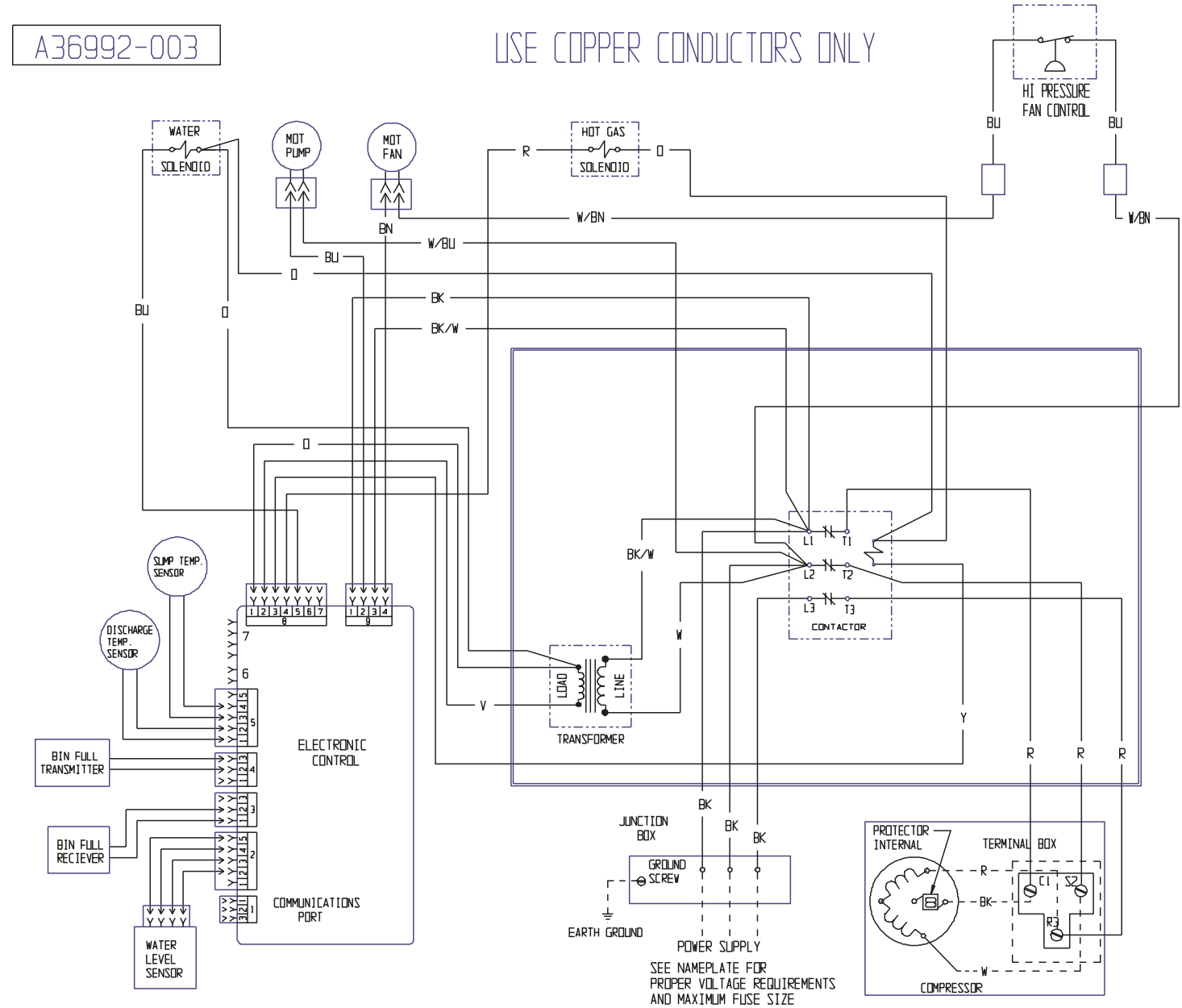
A - D Series Three Phase Air Cooled Schematic Diagram



Note: Fan Pressure Control not used on all units.

A - C Series CME656 Air Cooled Three Phase Wiring Diagram

Note: If Hi Pressure Fan Control is NOT present, W/BN wires connect together at Fan Control location.



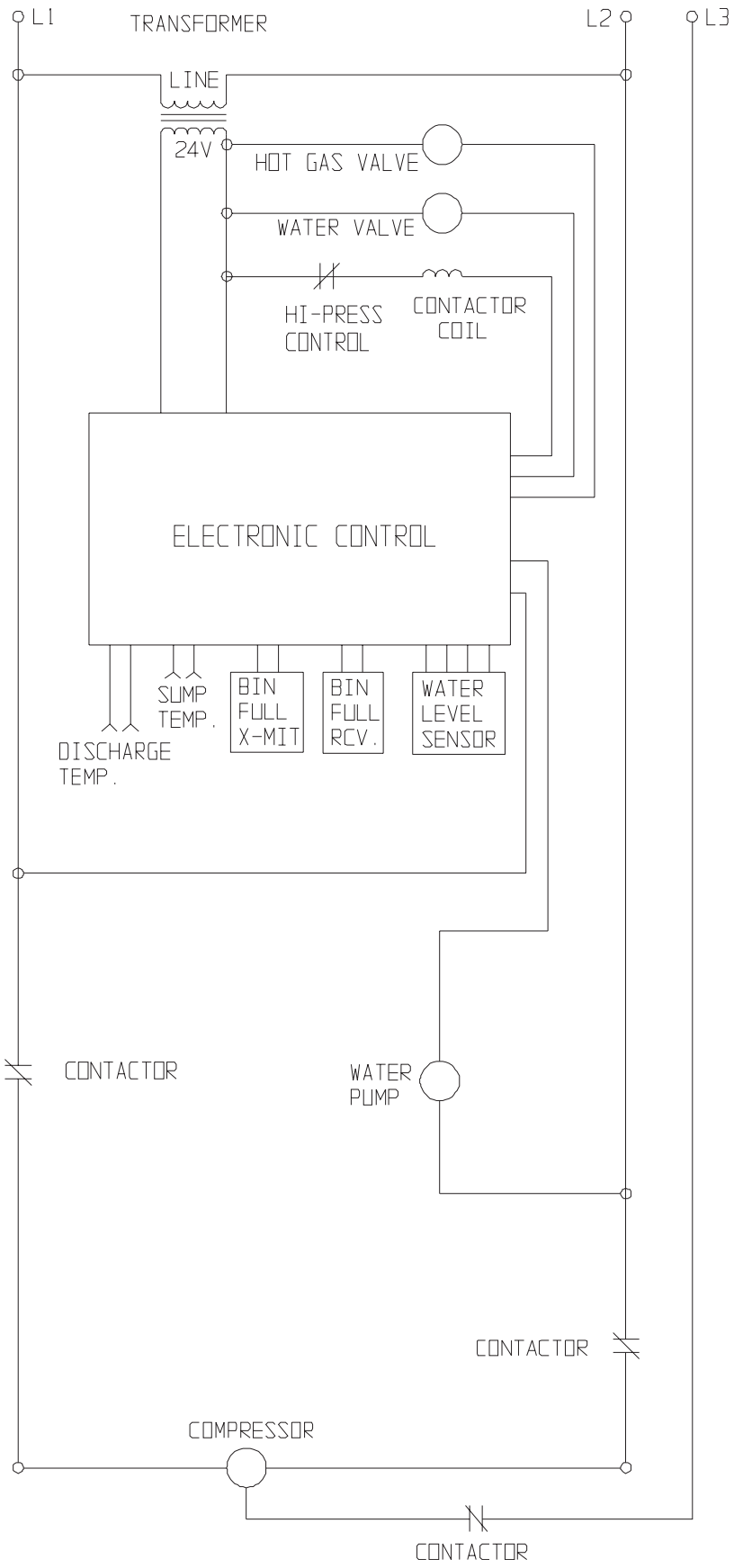
CAUTION:

MORE THAN ONE DISCONNECT MEANS MAY BE REQUIRED TO DISCONNECT ALL POWER TO THIS UNIT.

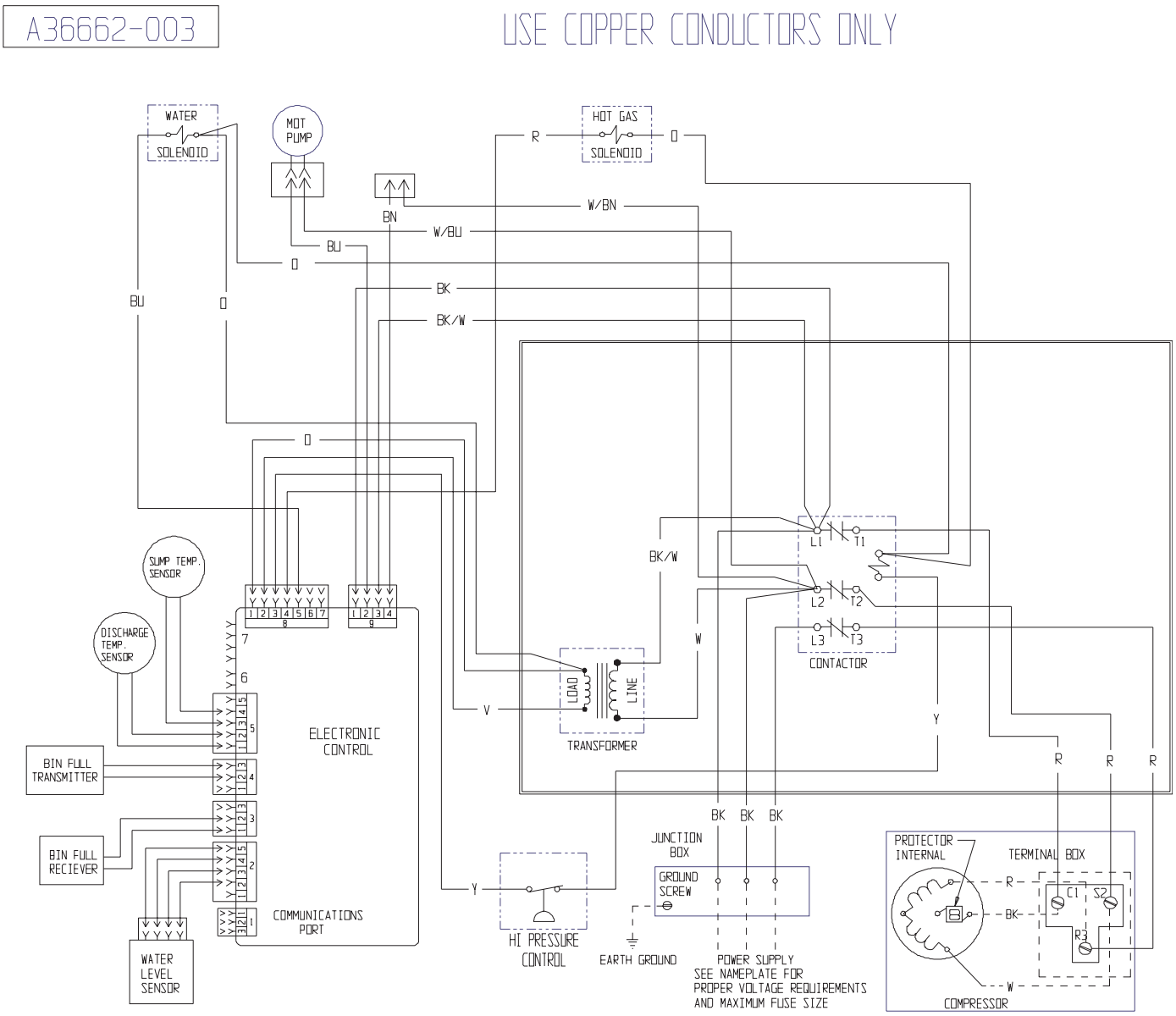
THIS UNIT MUST BE GROUNDED.

⚠ DASHED LINES INDICATE FIELD WIRING WHICH MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES.

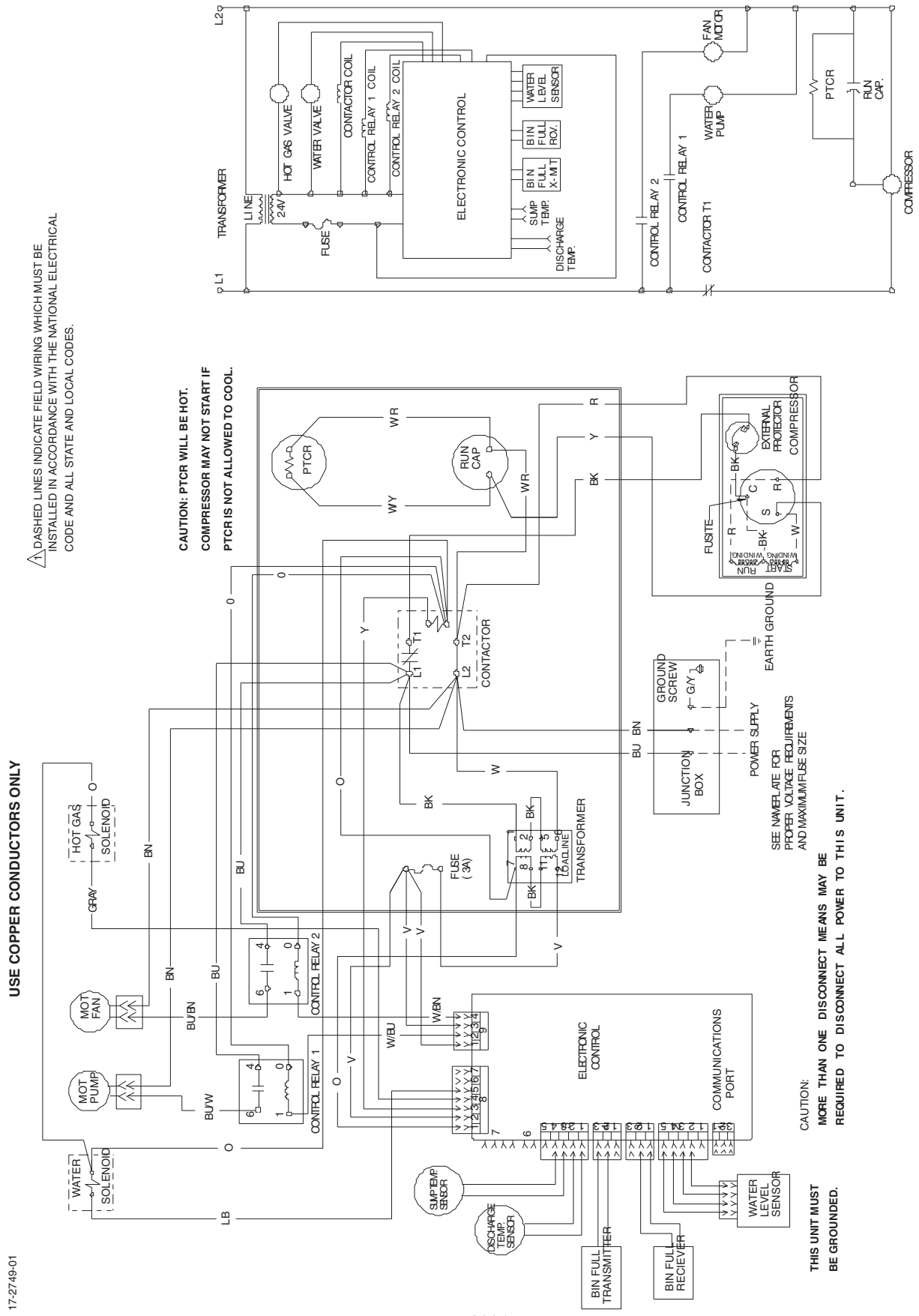
A - D Series CME656 Three Phase Water Cooled Schematic Diagram



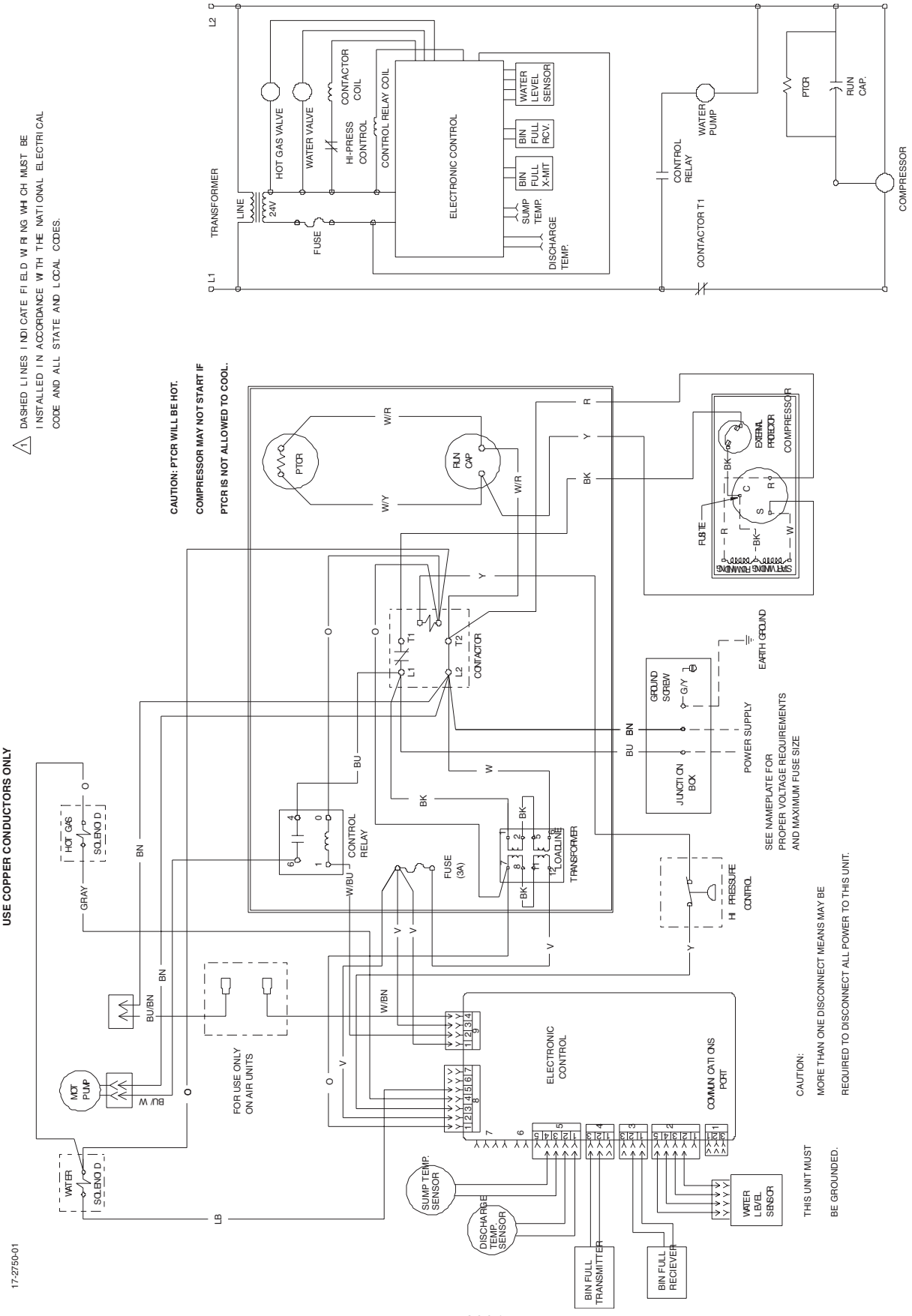
A - C Series CME656 Three Phase Water Cooled Wiring Diagram



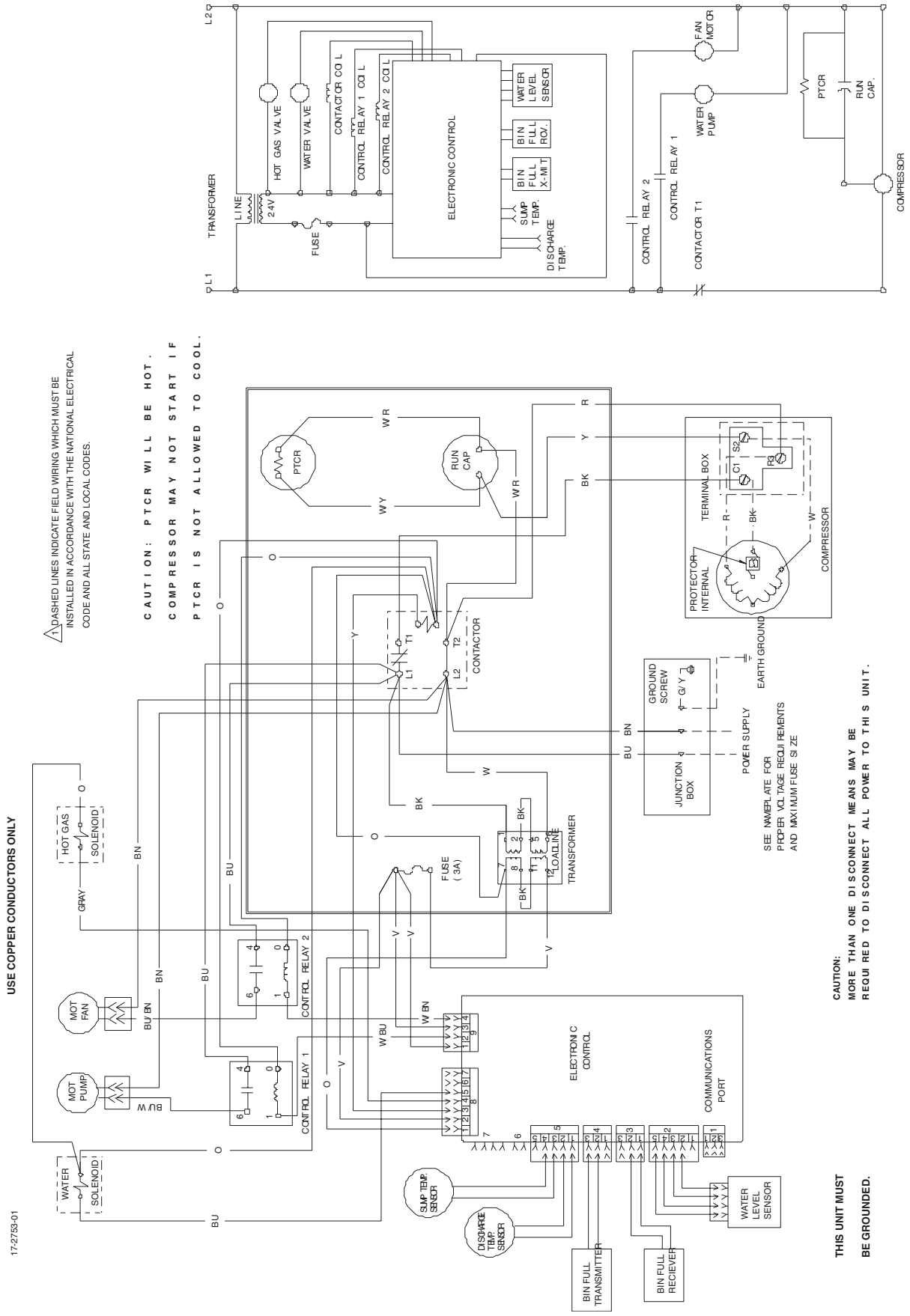
D Series CME506 50 Hz Air Cooled Diagram



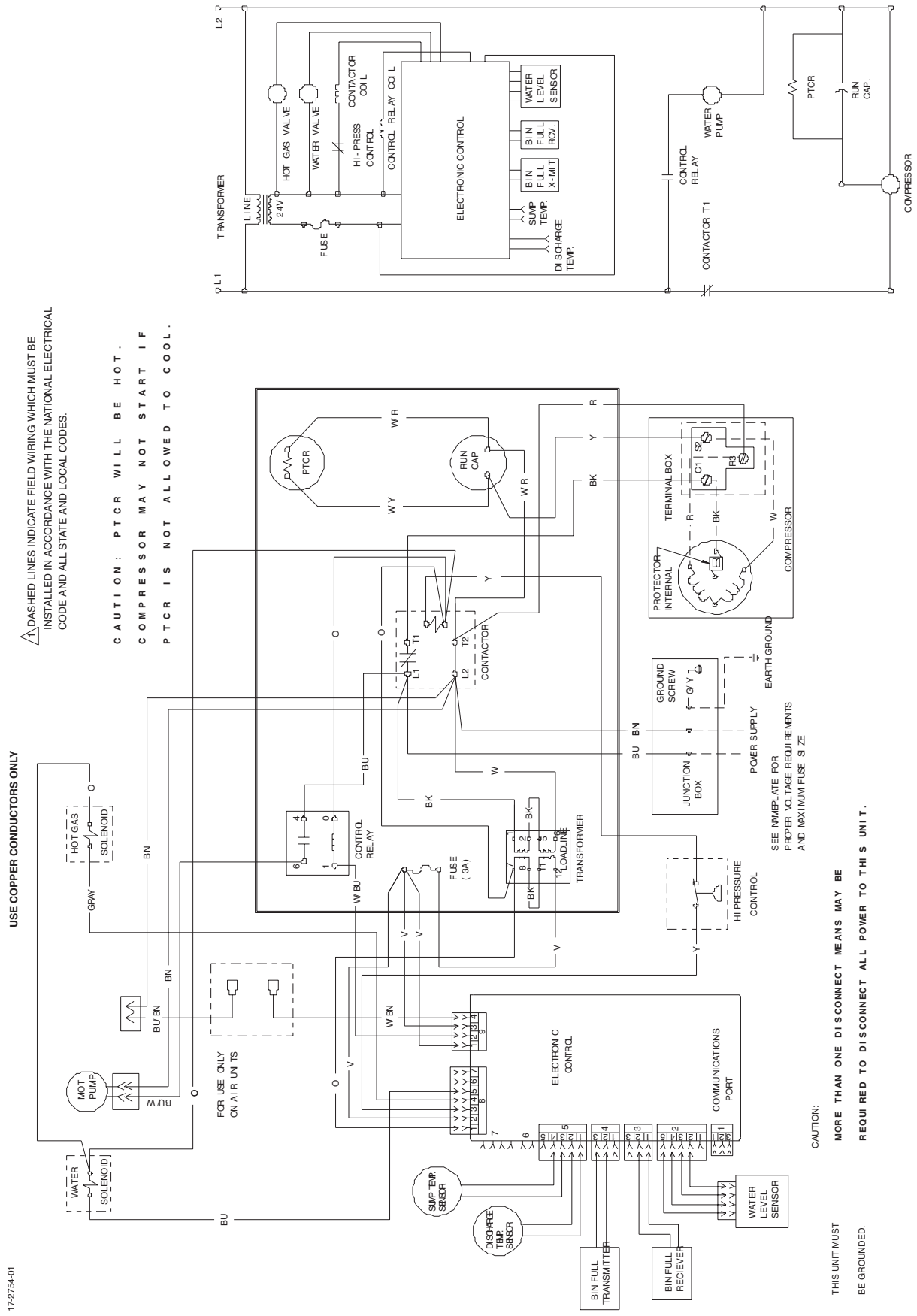
D Series CME506 50 Hz Water Cooled Diagram



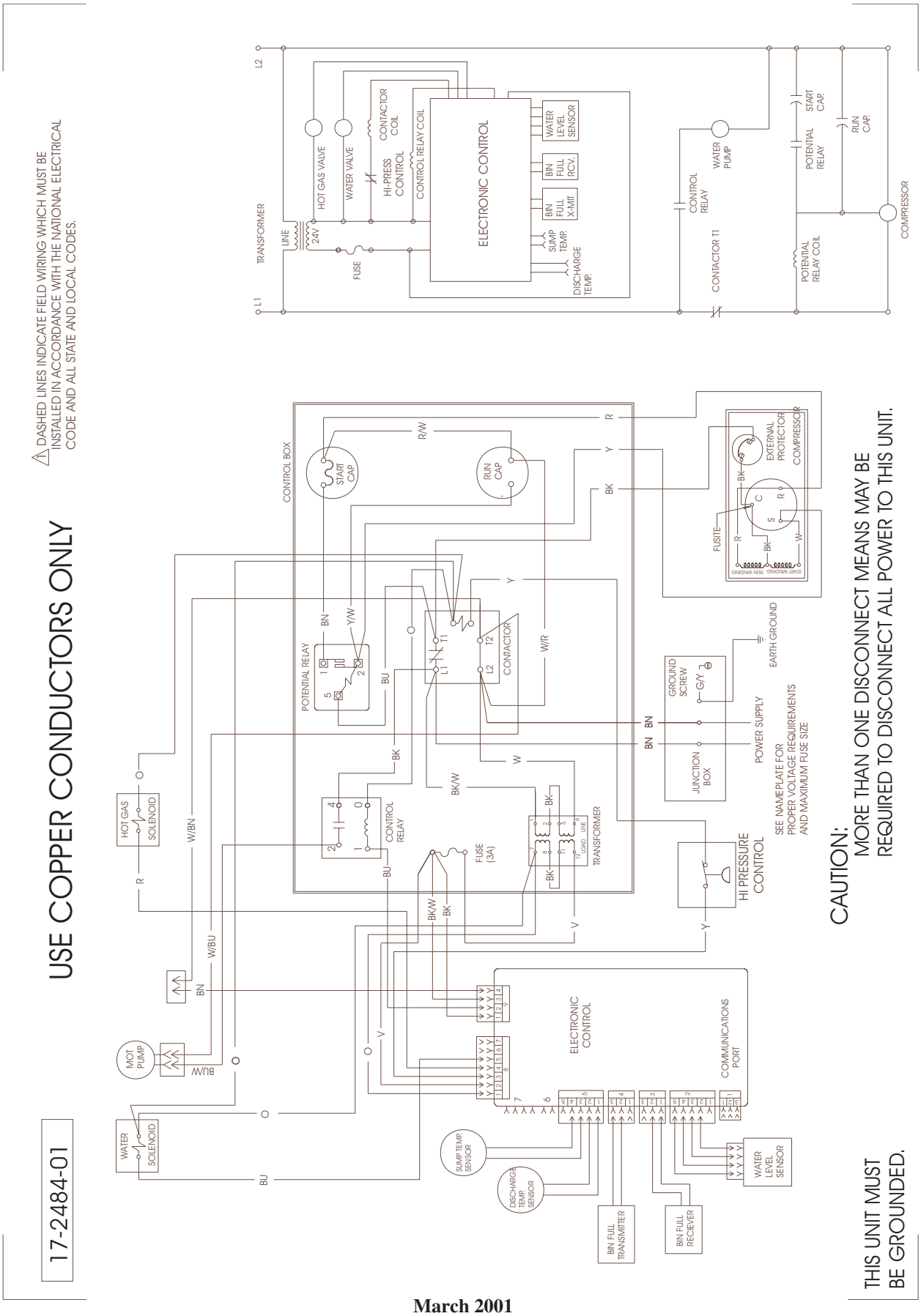
D Series CME656 or CME806 50 Hz Air Cooled Diagram



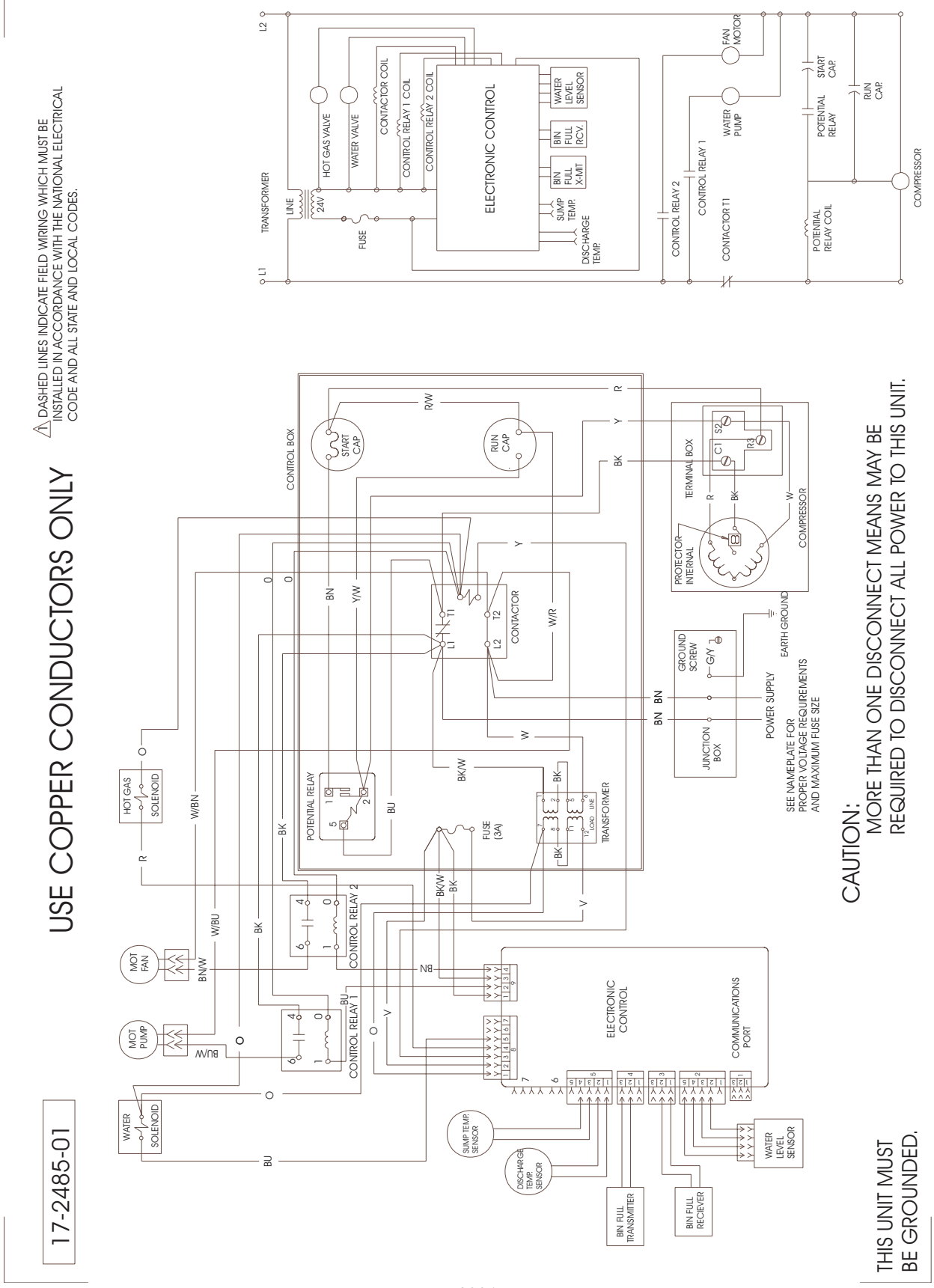
D Series CME656 or CME806 50 Hz Water Cooled Diagram



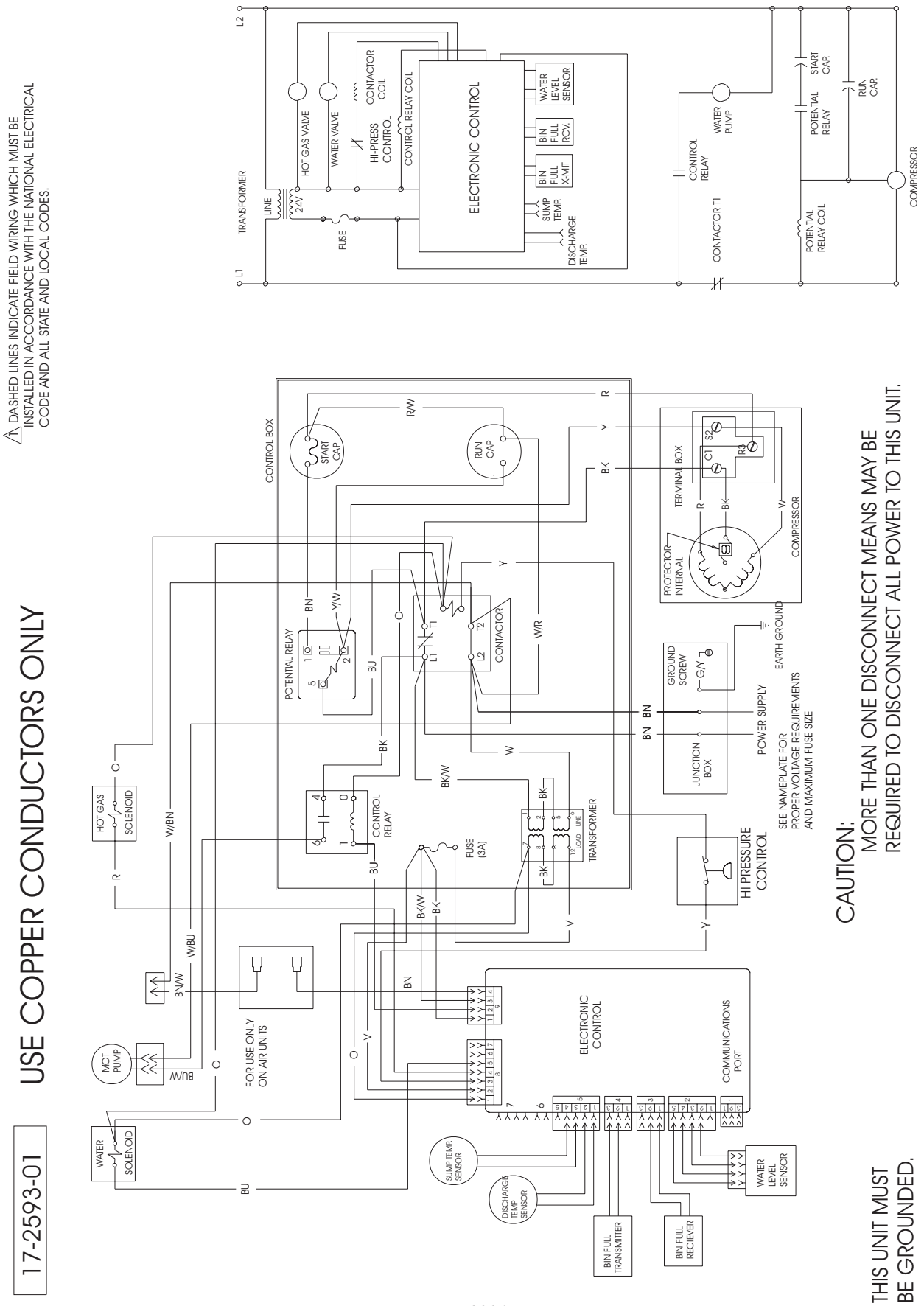
B or C Series 50 Hz Water Cooled CME506and CME506 Diagram



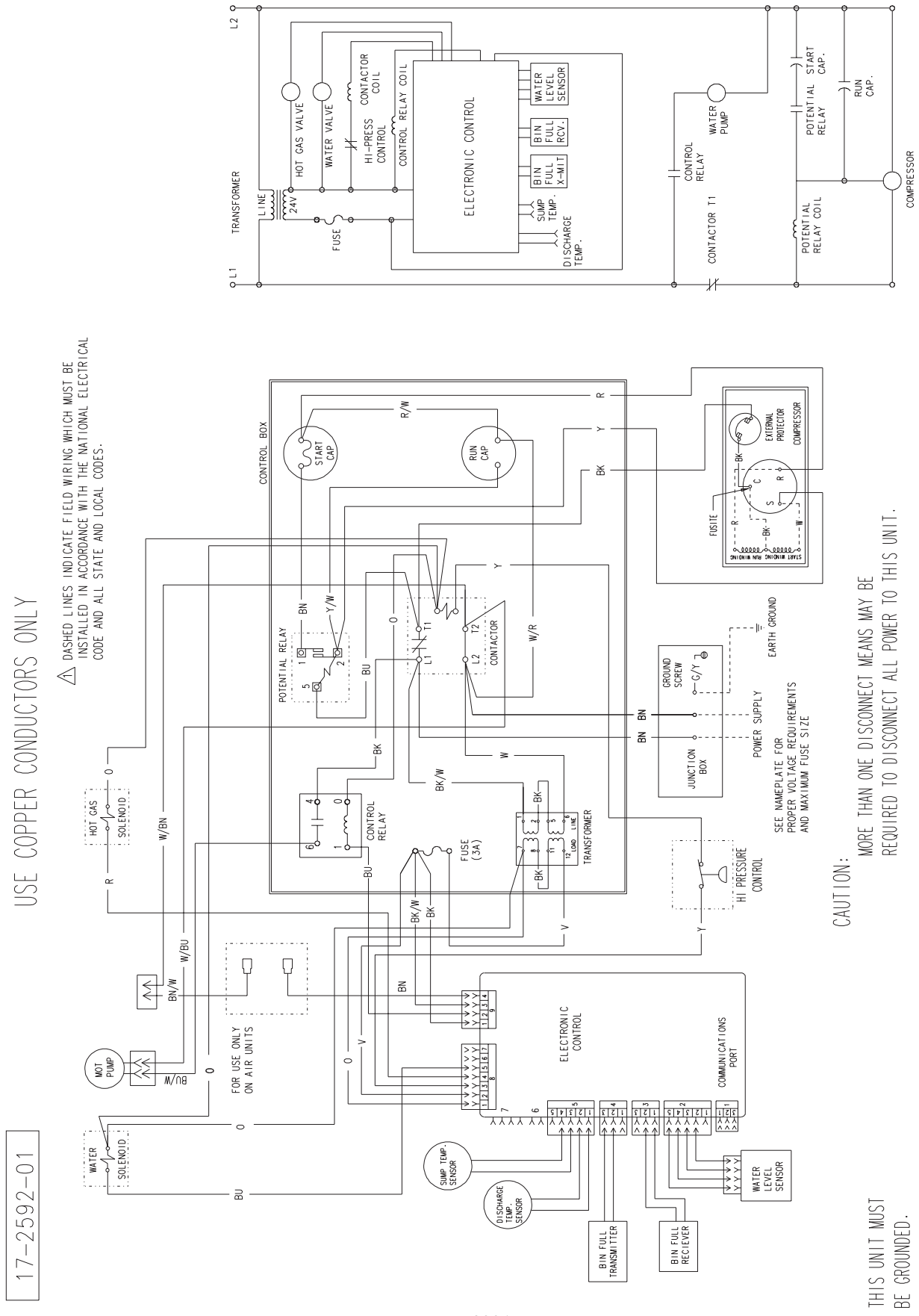
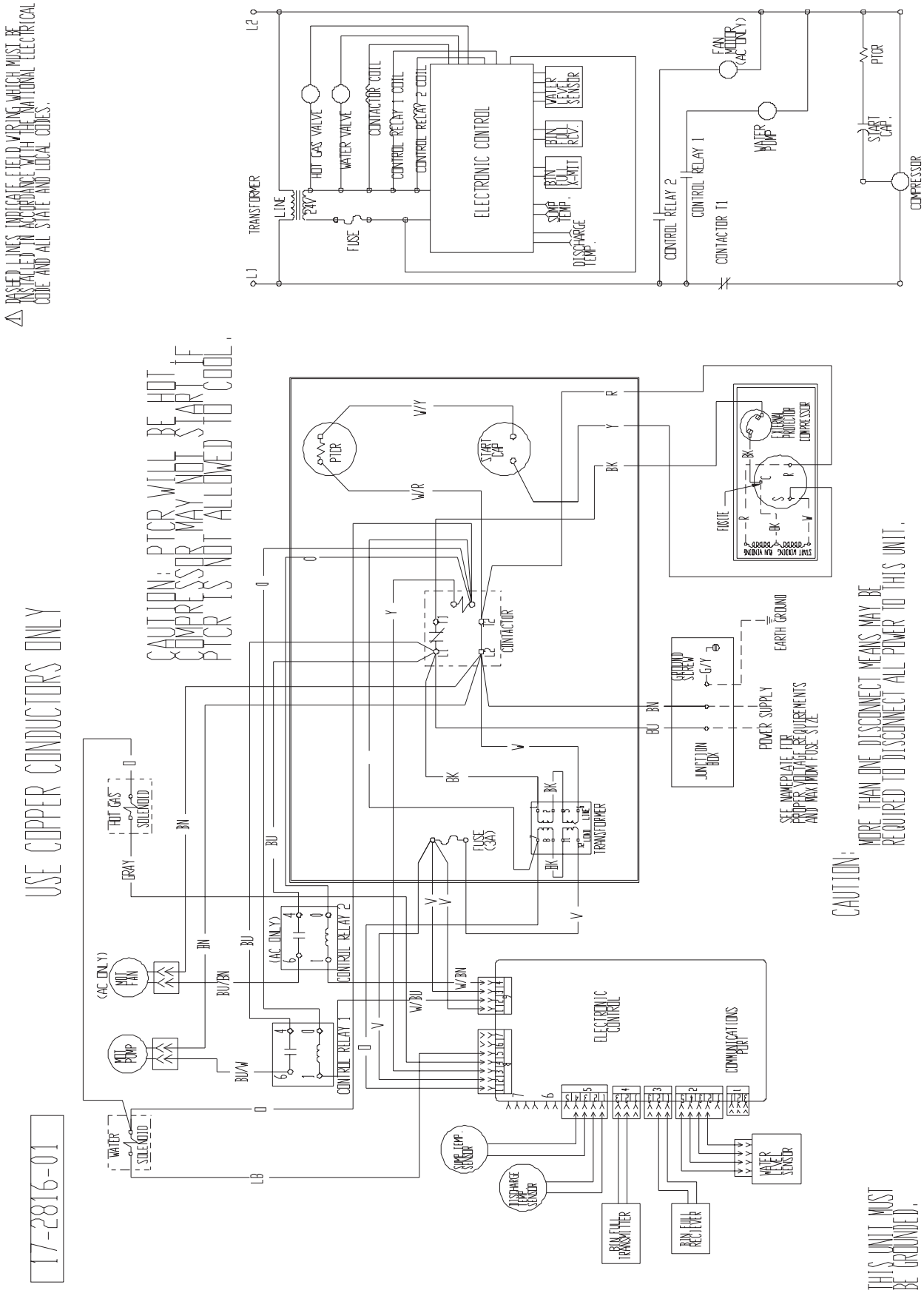
B or C Series, 50 Hz Air Cooled CME656 and CME806 Diagram



B or C Series, 50 Hz Water Cooled CME656 and CME806 Diagram



B or C Series, 50 Hz Air Cooled CME506 Diagram



D Series, 50 Hz CME256 Diagram