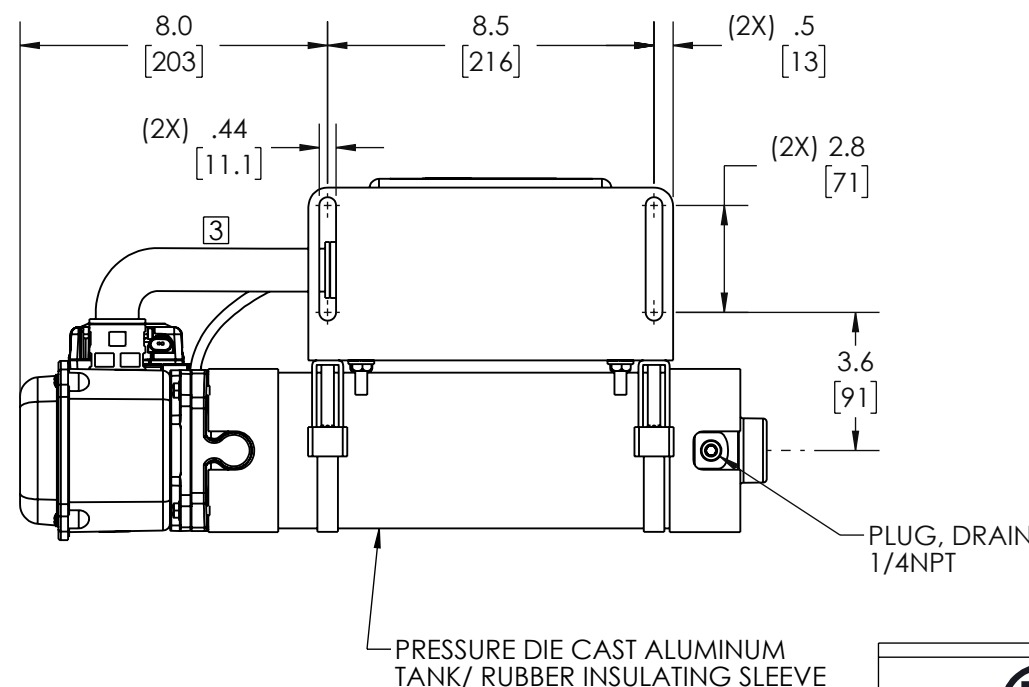
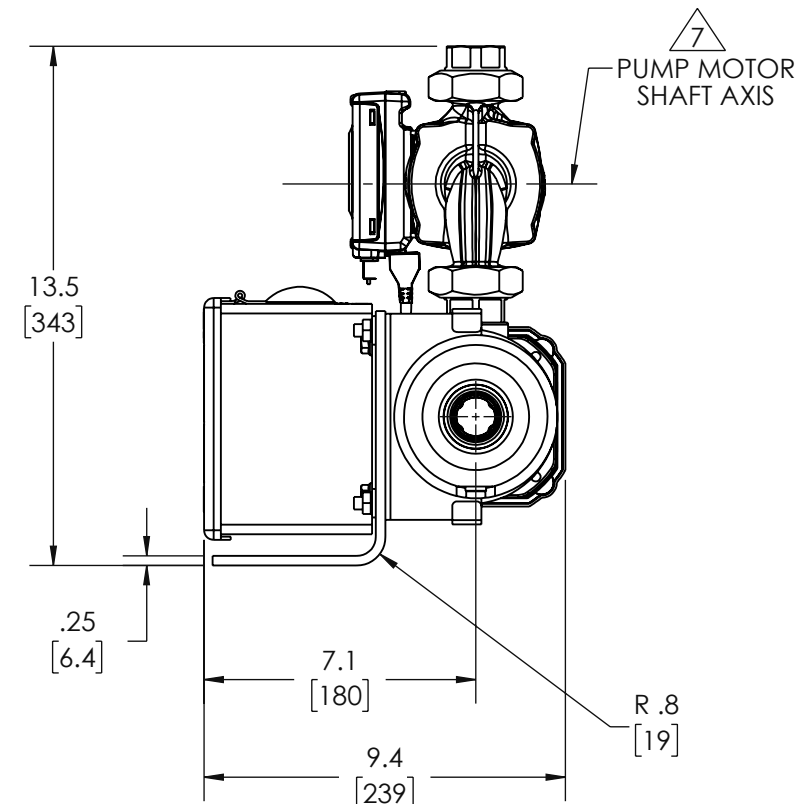
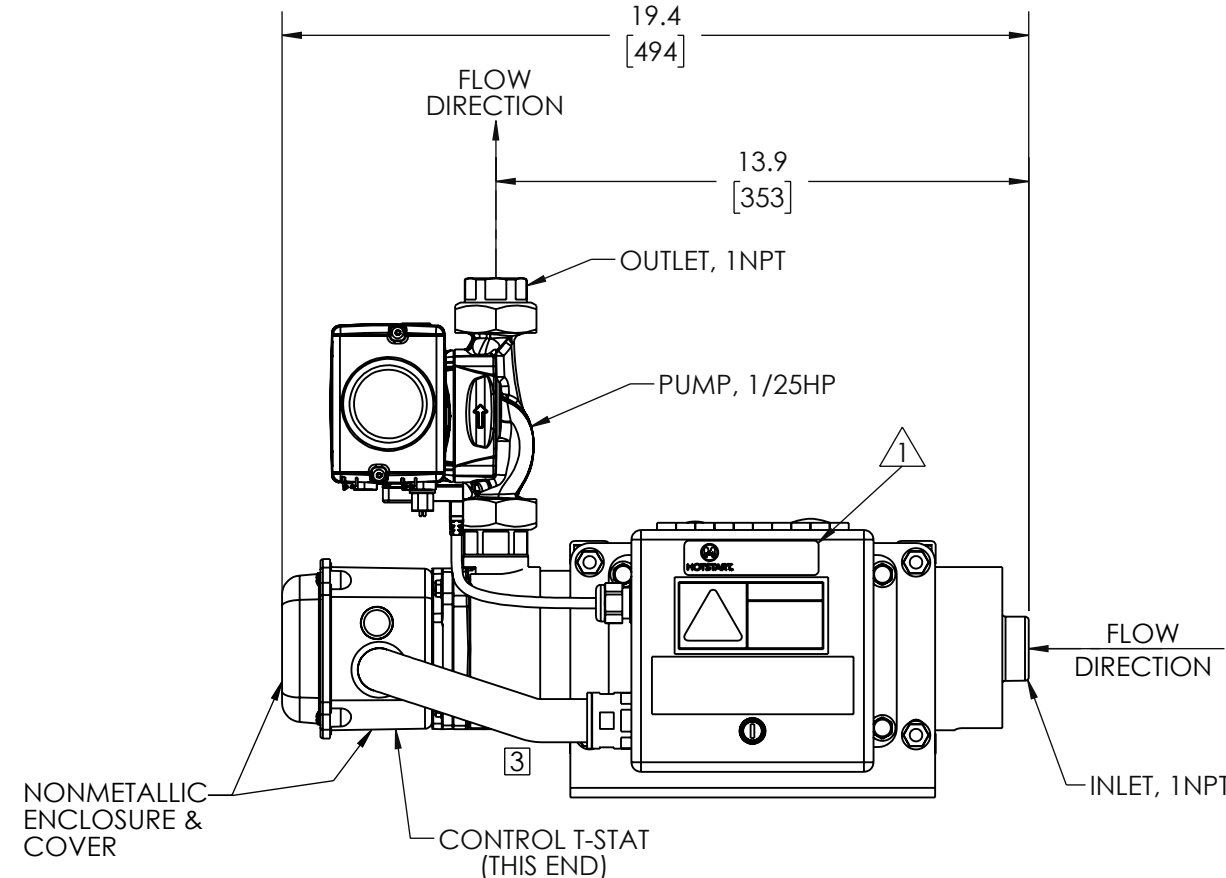
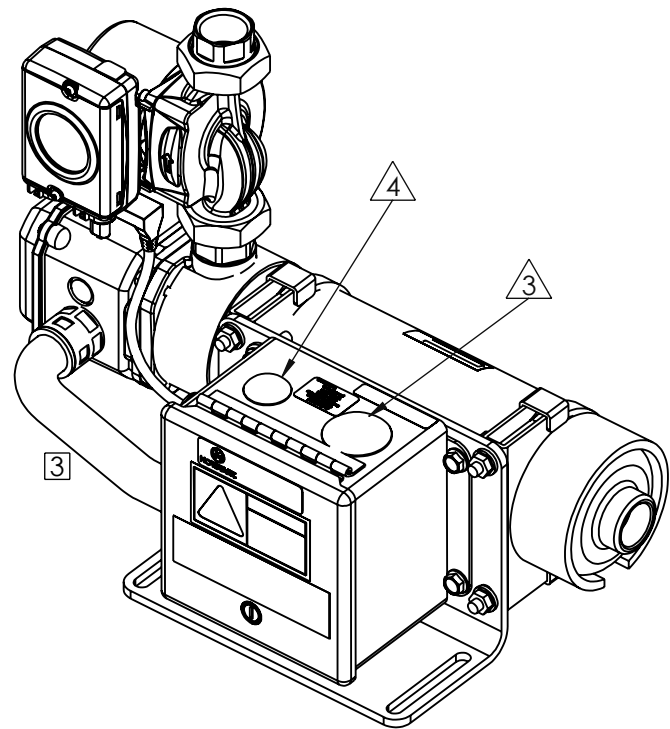




NOTES:

1. LABELED WITH PART NUMBER, WATTS, VOLTS, DATE CODE & CE MARKINGS.
2. DIMENSIONS ARE FOR REFERENCE ONLY.
3. CONDUIT OPENING FOR MAIN POWER IN (1" CONDUIT OPENING).
4. CONDUIT OPENING FOR 24VDC (1/2" CONDUIT OPENING).
5. SYSTEM REQUIRES SUPPLY VOLTAGE AS WELL AS A 24VDC SIGNAL FROM THE ENGINE IGNITION SYSTEM. HEATER & PUMP MUST BE DE-ENERGIZED AT ENGINE START-UP AND THE 24VDC SIGNAL IS REQUIRED FOR THIS.
6. T-STAT TOLERANCE: +/- 5° [3°C] OPEN
+/- 6°F [3.5°C] CLOSE
7. HEATING SYSTEM IS DESIGNED TO BE MOUNTED HORIZONTALLY SUCH THAT THE PUMP MOTOR SHAFT IS HORIZONTAL.
8. WEIGHT: 31lb / 14kg

CSM1030J-5A0	CSM 230V 50Hz 1P 3kW 100-130F	230	3000	13.0	100 [38]	130 [54]	2
CSM1060J-5A0	CSM 230V 50Hz 1P 6kW 100-130F	230	6000	26.1	100 [38]	130 [54]	
CSM1090J-5A0	CSM 230V 50Hz 1P 9kW 100-130F	230	9000	42.6	100 [38]	130 [54]	
PART NUMBER	DESCRIPTION	VOLTS (V)	WATTS (W)	AMPS (A)	ON (°F [°C])	OFF (°F [°C])	
					T-STAT		

REVISIONS						
REV.	ECO	DATE	DESCRIPTION	AUTH.	DR.	ZONE
2	8647	07/22/2015	ADDED CSM1060J-5A0, CSM1090J-5A0 & ASSOCIATED REPLACEMENT PARTS (SHEET 2).	REM	EMR	A5, 2-A5, 2-A6
3	8834	07/19/2016	UPDATED ELEMENT HARNESS AND ASSOCIATED FITTINGS.	REM	BLF	B5, C5, C8, 2-B4
4	SI2872	01/19/2023	1" WAS 3/4" IN NOTE 3	AMA	EMR	B8



Hotstart
THERMAL MANAGEMENT

SPOKANE, WA.

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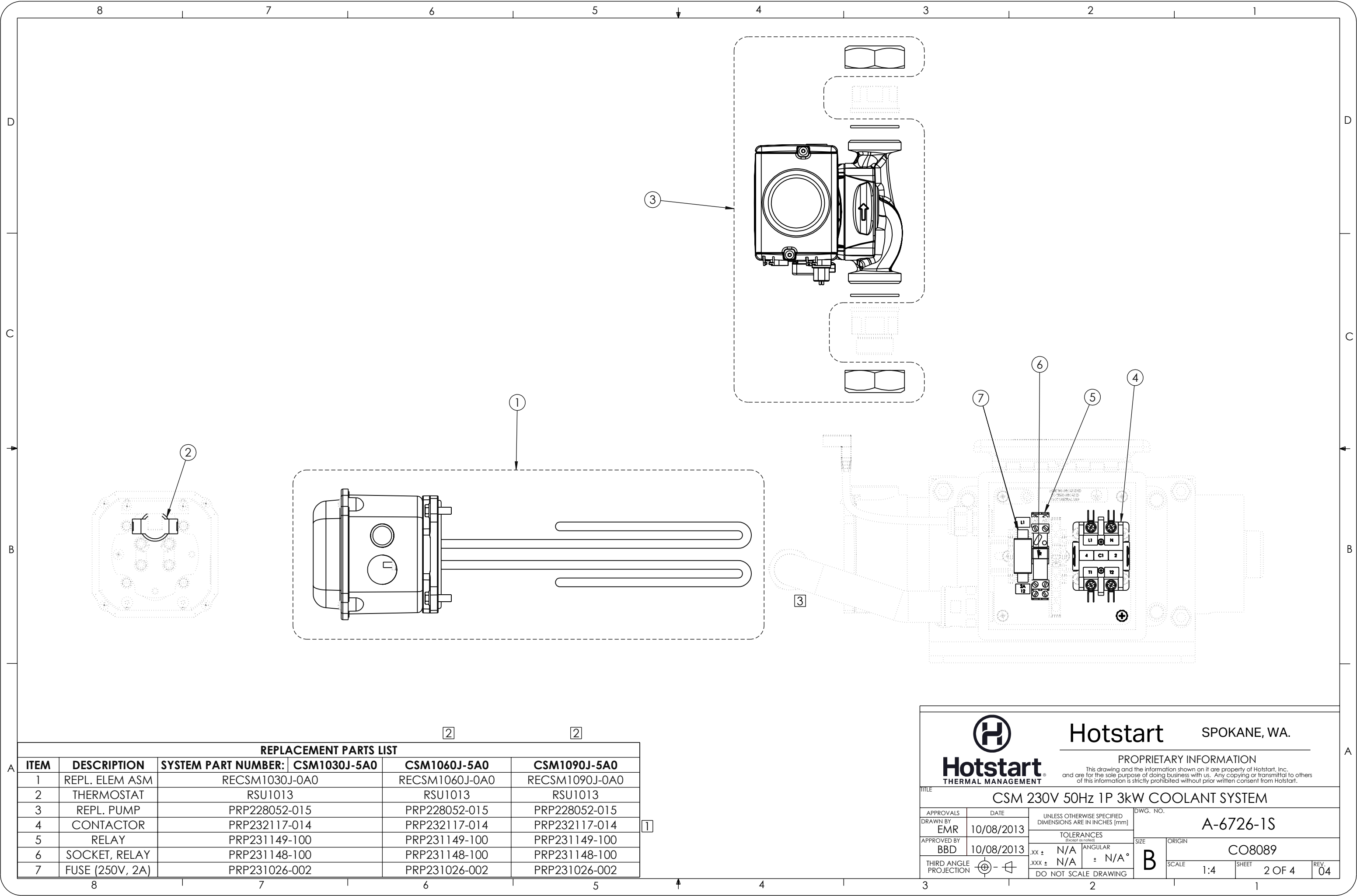
TITLE
CSM 230V 50Hz 1P 3kW COOLANT SYSTEM

APPROVALS
DRAWN BY
EMR
APPROVED BY
BBD
THIRD ANGLE PROJECTION

DATE
10/08/2013
10/08/2013

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES [mm]
TOLERANCES
(Except as noted)
.XX ± N/A
.XXX ± N/A
ANGULAR
± N/A°
DO NOT SCALE DRAWING

DWG. NO.
A-6726-1S
SIZE
B
ORIGIN
CO8089
SCALE
1:5
SHEET
1 OF 4
REV.
04



REPLACEMENT PARTS LIST

ITEM	DESCRIPTION	SYSTEM PART NUMBER:	CSM1030J-5A0	CSM1060J-5A0	CSM1090J-5A0
1	REPL. ELEM ASM	RECSM1030J-0A0	RECSM1060J-0A0	RECSM1090J-0A0	
2	THERMOSTAT	RSU1013	RSU1013	RSU1013	
3	REPL. PUMP	PRP228052-015	PRP228052-015	PRP228052-015	
4	CONTACTOR	PRP232117-014	PRP232117-014	PRP232117-014	
5	RELAY	PRP231149-100	PRP231149-100	PRP231149-100	
6	SOCKET, RELAY	PRP231148-100	PRP231148-100	PRP231148-100	
7	FUSE (250V, 2A)	PRP231026-002	PRP231026-002	PRP231026-002	



Hotstart
THERMAL MANAGEMENT

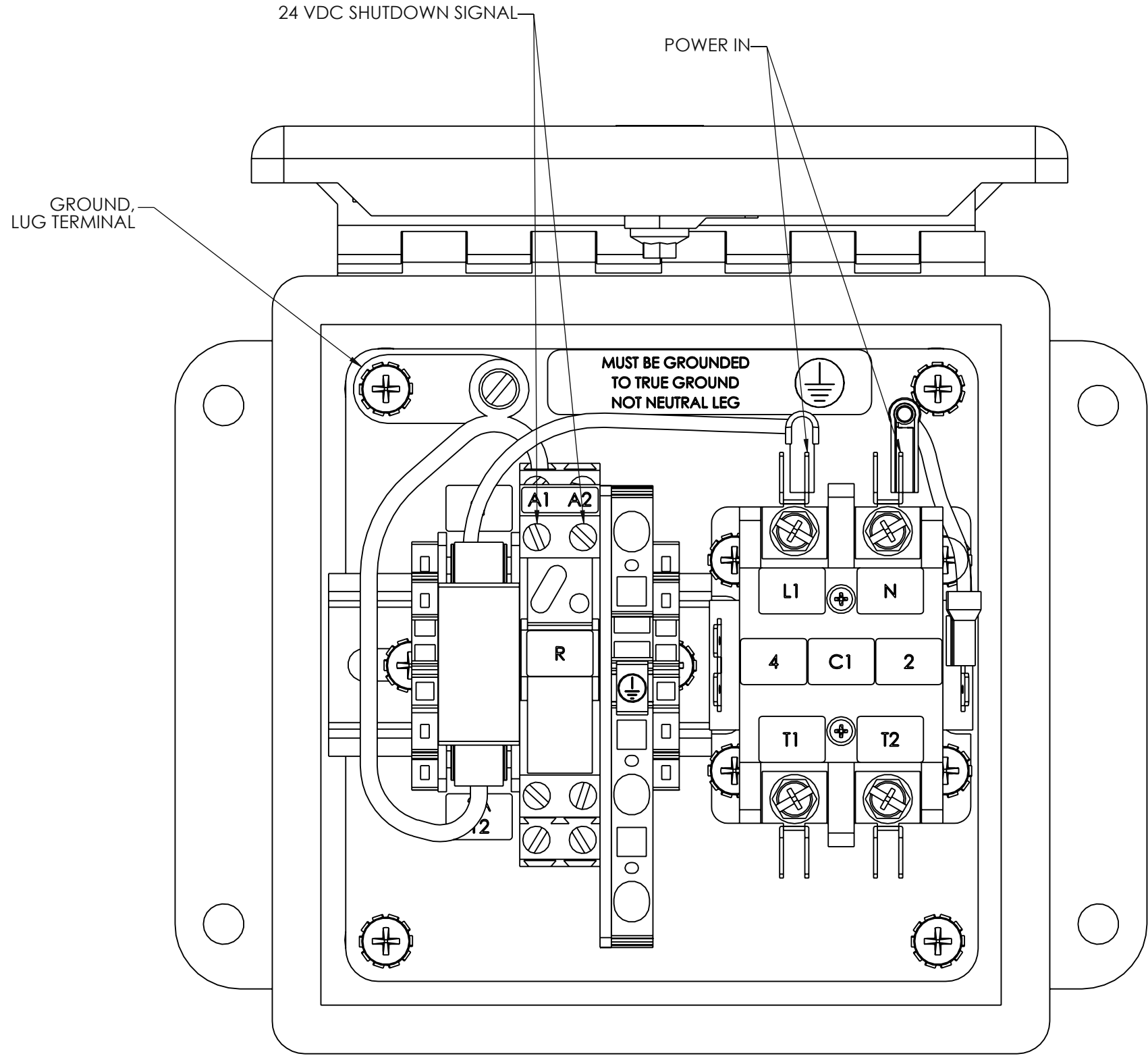
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SPOKANE, WA.

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TITLE
CSM 230V 50Hz 1P 3kW COOLANT SYSTEM

APPROVALS	DATE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [mm]	DWG. NO. A-6726-1S
DRAWN BY EMR	10/08/2013		
APPROVED BY BBD	10/08/2013	TOLERANCES (Except as noted) .XX ± N/A ANGULAR ± N/A° .XXX ± N/A DO NOT SCALE DRAWING	SIZE B

ORIGIN CO8089	SCALE 1:4	SHEET 2 OF 4	REV. 04
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THERMAL MANAGEMENT

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TITLE

CSM 230V 50Hz 1P 3kW COOLANT SYSTEM

APPROVALS

DATE

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES [mm]

DWG. NO.

DRAWN BY

EMR

10/08/2013

TOLERANCES

(Except as noted)

SIZE

ORIGIN

APPROVED BY

BBD

10/08/2013

.XX ± N/A

ANGULAR ± N/A°

SCALE

1:5

SHEET

3 OF 4

REV.

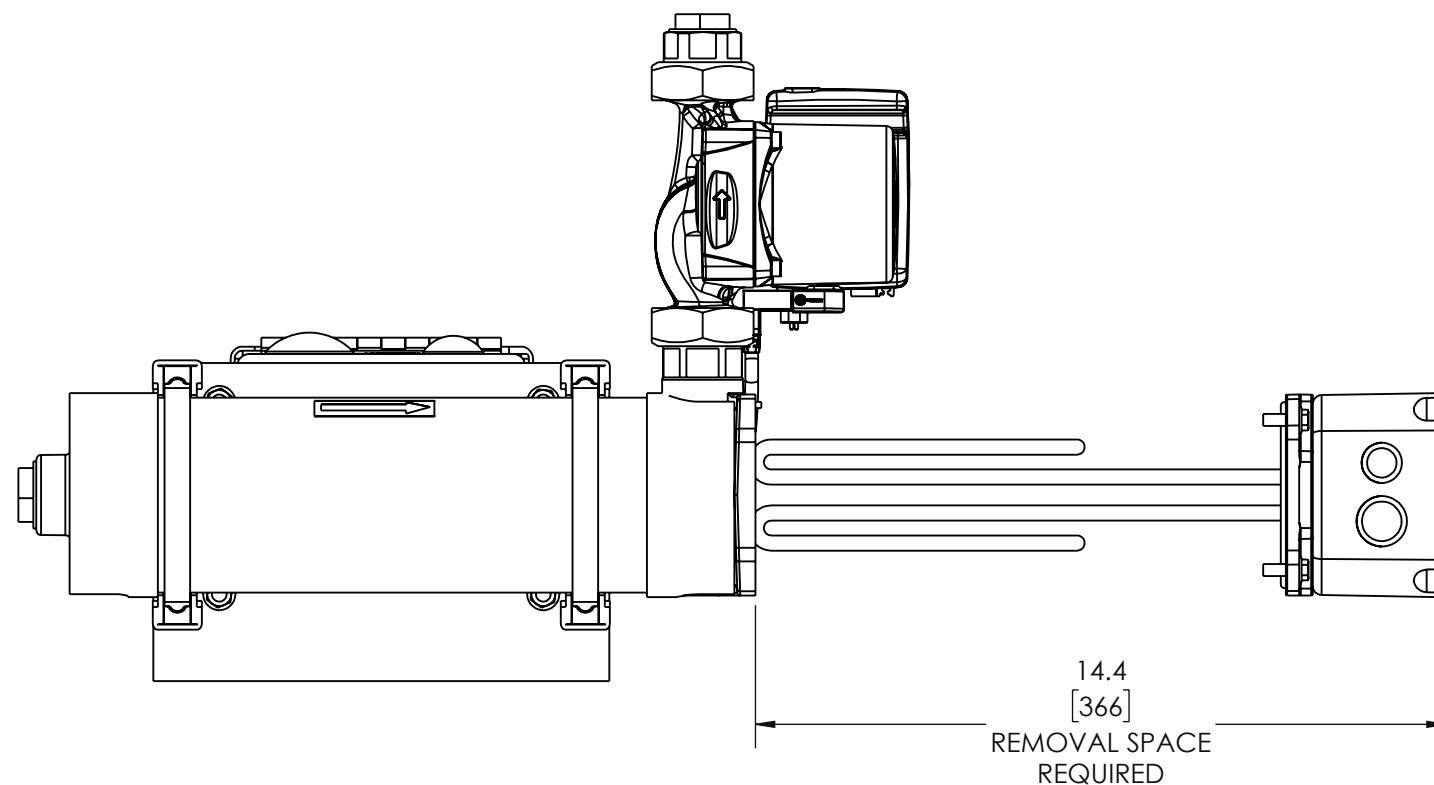
04

THIRD ANGLE
PROJECTION



DO NOT SCALE DRAWING

B



ELEMENT ASSEMBLY REMOVAL/REPLACEMENT

		Hotstart		SPOKANE, WA.	
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TITLE CSM 230V 50Hz 1P 3kW COOLANT SYSTEM					
APPROVALS	DATE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [mm]		DWG. NO.	
DRAWN BY EMR	10/08/2013	TOLERANCES (Except as noted)		A-6726-1S	
APPROVED BY BBD	10/08/2013	.XX ± N/A	ANGULAR ± N/A°	SIZE B	ORIGIN CO8089
THIRD ANGLE PROJECTION		.XXX ± N/A	DO NOT SCALE DRAWING	SCALE 1:5	SHEET 4 OF 4
				REV. 04	