

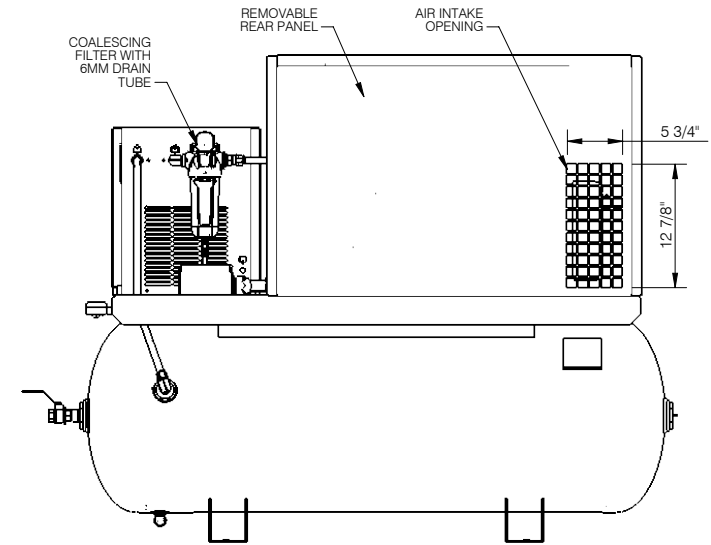
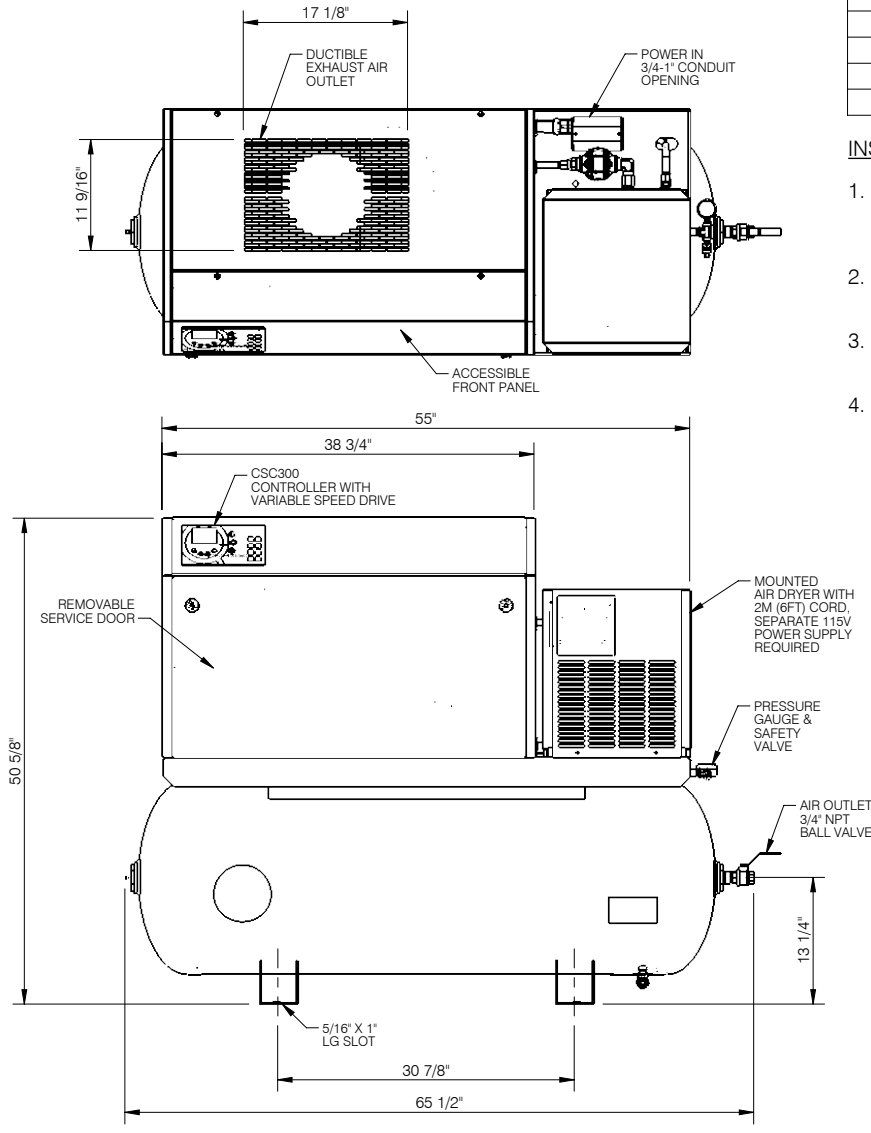
MODEL NO.	HP	PRESSURE PSI	SCFM @ 145PSI			NOMINAL SOUND @ 1 METRE	UNIT AMP					AIR RECEIVER GAL.	DRYER	FILTER ELEMENT	WEIGHT LBS
			100% CAP.	70% CAP.	40% CAP.		3-PHASE								
							1-PHASE								
						230V*	200V	230V*	460V	575V					
B10TDVSD	10	145	37.0	25.9	14.8	68 dBA	55	38	35	15	12	80	ASD-40 115V, 60Hz, 5.24A	1 MICRON	890

\*VOLTAGE VARIANCE 215V TO 235V

VOLTAGE	PHASE	FUSE TYPE	FUSE AMP
230	1	JJS/JJN	70
200			50
230	3		40
460			17.5
575			15

#### INSTALLATION REQUIREMENTS

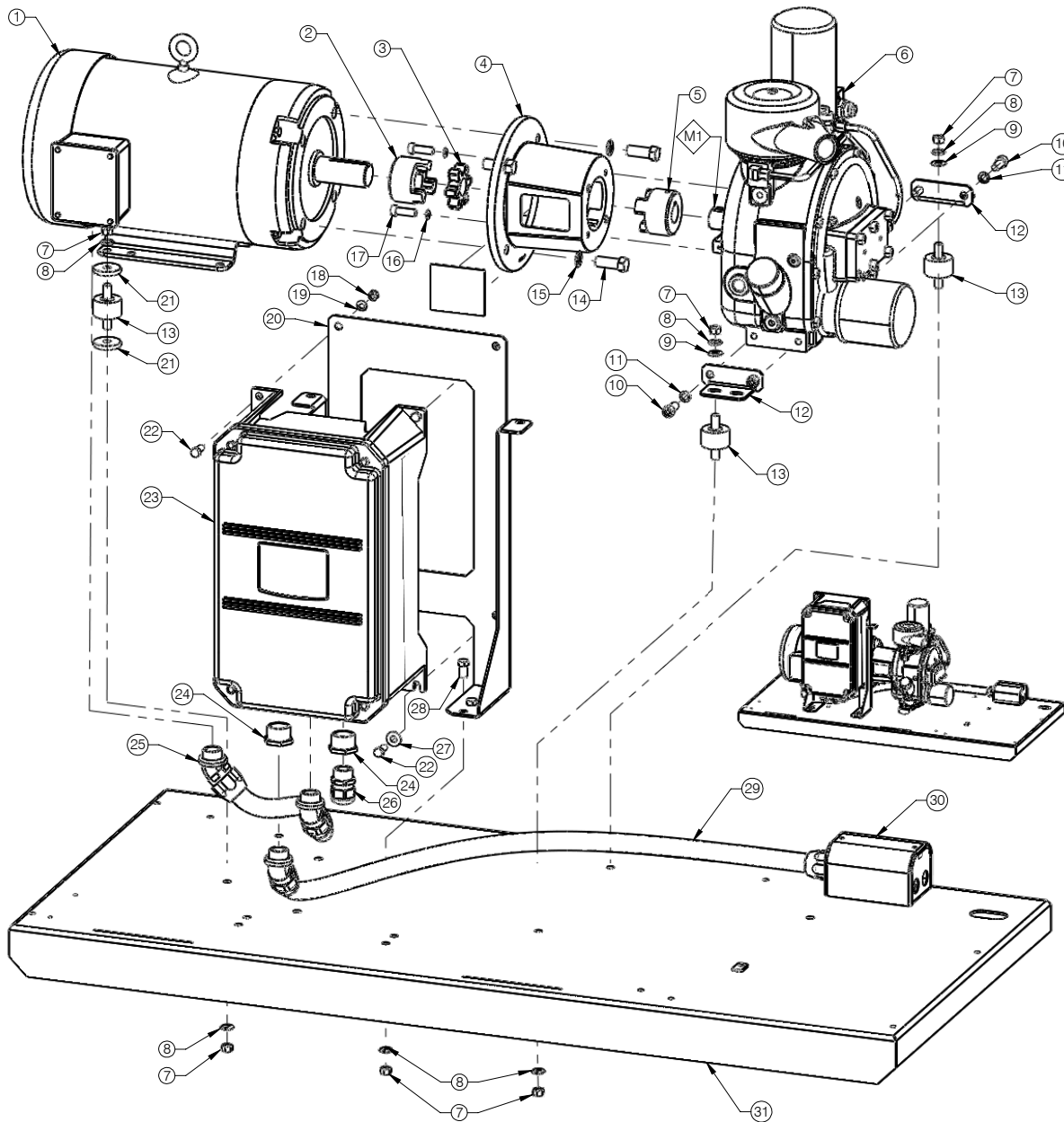
1. MAINTAIN 3 FEET DISTANCE FROM WALLS AND OTHER OBJECTS FOR PURPOSE OF COOLING AND SERVICING.
2. COMPRESSOR MUST BE LEVEL AND ANCHORED DOWN TO SOLID LEVEL FLOOR.
3. AMBIENT CONDITIONS:  
10°C (50°F) MIN. 40°C (104°F) MAX.
4. APPROACH TEMP. FROM TANK 5°C (41°F)



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NAME OF PROJECT				DESCRIPTION OF DRAWING	
B10TDVSD SCREW COMPRESSOR WITH DRYER				SALES-ENGINEERING DRAWING	
DRAWN BY	CHECKED BY	DATE	SCALE	DRAWING NO.	SHT NO/REV.
LT		7/08/16	N.T.S	B10IITDVSD	



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MO-9286 MO-9289 MO-9290	MOTOR 10HP 200-230/60/1,3 MOTOR 10HP 460/60/3 MOTOR 10HP 575/60/3	1
2	DSC-001617	COUPLING MOTOR 1.375" BORE	1
3	DSC-001618	COUPLING SPIDER	1
4	DSC-001614	MOTOR - AIR END ADAPTOR W/GUARD	1
5	DSC-001619	COUPLING AIR END 28MM BORE	1
6	DSC-002053	B-SERIES AIR END 24V	1
7	SS-657	3/8-16 HEX NUT	12
8	SS-1502	3/8" LOCKWASHER	12
9	SS-1525	3/8" FLAT WASHER	2
10	SS-10025	M10 X 25MM SHCS	4
11	SS-1515	M10 HC LOCKWASHER	4
12	DSC-001641	B10VS AIR END BRACKET LEFT	2
13	DSC-001330	VIBRATION ISOLATOR	4
14	SS-50	1/2-13 x 1.5" HHCS	4
15	SS-1506	1/2" MEDIUM LOCKWASHER	4
16	SS-1516	M8 HC LOCKWASHER	4
17	SS-10036	M8 X 30MM SHCS	4
18	SS-725	5/16" HEX NUT	4
19	SS-1503	5/16" LOCKWASHER	4
20	DSC-001958	B10VS VSD STAND	1
21	SS-10014	SPACER 1-9/16" DIA X .262"	4
22	SS-13	5/16-18 X 7/8" HHCS	4
23	DSC-001620 DSC-001621 DSC-001622	B10VS INVERTER 200-230V, 1-3PH B10VS INVERTER 460V, 3PH B10VS INVERTER 575V, 3PH	1
24	SS-9931	ELECTRICAL BUSHING 1" X 3/4"	2
25	MH-9022 MH-9025	B10VS MOTOR HARNESS 200-230V, 1-3PH B10VS MOTOR HARNESS 460-575V, 3PH	3
26	ACC-9003	CORD CONNECTOR C/W NUT 3/4" NPT	1
27	SS-1524	5/16" FLAT WASHER	2
28	SS-23	3/8-16 X 3/4 HHCS B/M	4
29	MH-9032 MH-9033 MH-9034 MH-9035 MH-9036 MH-9037	B10VS WIRE HARNESS 230V, 1PH (TD) B10VS WIRE HARNESS 200-230V, 3PH (TD) B10VS WIRE HARNESS 460-575V, 3PH (TD) B10VS WIRE HARNESS 230V, 1PH (T) B10VS WIRE HARNESS 200-230V, 3PH (T) B10VS WIRE HARNESS 460-575V, 3PH (T)	1
30	SS-9953	ENCLOSURE BOX	1
31	DSC-002460 DSC-002462	B10 TANK-MOUNTED W/DRYER BASE (SHOWN) B10 TANK-MOUNTED BASE	1
MAINTENANCE KIT			
M1	DSC-002055	SHAFT SEAL KIT	

REV.	DATE	REVISION DESCRIPTION	PCN NO.
G	6/10/13	B10 REDESIGN, AE TO 24V, SN 38135.38154 >	12-31
F	10/09/12	DSC-001643,45 RMVD, DSC-001958 ADDED	12-27
E	7/11/11	DSC-002054 AIR END REPLACES DSC-001683 SN. 37190 & > 37197	11-06
D	9/22/10	DSC-001680,85 RMVD, 3PH HARNESS ADDED	10-33,35



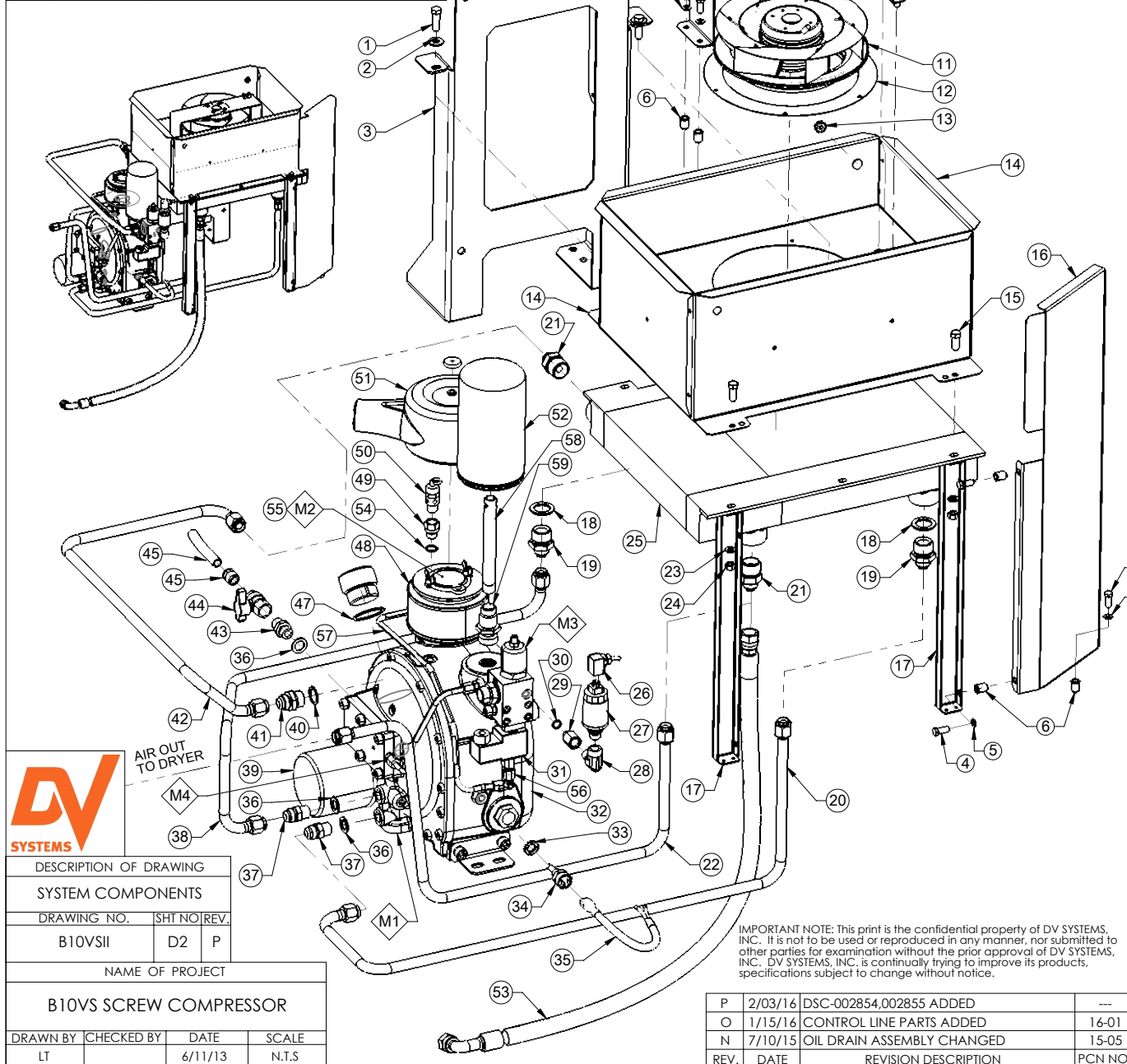
NAME OF PROJECT				DESCRIPTION OF DRAWING	
B10VS SCREW COMPRESSOR				DRIVE COMPONENTS	
				DRAWN BY	CHECKED BY
				B10VSI	
				G	

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MAINTENANCE KITS		
NO.	PART NUMBER	DESCRIPTION
M1	DSC-002057 DSC-001711	THERMOVALVE REPAIR KIT SN. 37190 & > 37197 THERMOVALVE REPAIR KIT SN. <= 37197
M2	DSC-001712	INTAKE VALVE REPAIR KIT
M3	DSC-001713	MINIMUM PRESSURE VALVE REPAIR KIT
M4	DSC-002058	ORIFICE 1MM SN. 37190 & > 37197
---	MK-B57	2000 HOUR MAINTENANCE KIT

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
58	DSC-002855	SEPARATOR SPOUT B-SERIES II	1
59	DSC-002854	SEPARATOR FITTING B-SERIES	1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	DSC-566	5/16-18 X 1-1/4" HHCS GR5, Z	2
2	SS-1524	5/16" FLAT WASHER	4
3	DSC-001958	B10VS VSD STAND	1
4	DSC-597	1/4-20 X 0.75" HHCS	7
5	SS-1505	1/4" MEDIUM LOCKWASHER	7
6	SS-02001	1/4-20 THREADED INSERT	7
7	DSC-260	M4 X 10MM SHCS	4
8	SS-9909	#10 X 1/2" SELF DRILLING SCREW	1
9	DSC-256	CABLE TIE MOUNT	1
10	DSC-001651	B10VS FAN MOUNTING BRACKET	1
11	DSC-001635	B10VS FAN	1
12	DSC-001636	FAN INLET RING	1
13	DSC-595	1/4" RUBBER GROMMET	1
14	DSC-001648	B10VS FAN ENCLOSURE	2
15	SS-13	5/16-18 X 7/8 HHCS	2
16	DSC-002467	B10VS BAFFLE	1
17	DSC-001652	B10VS COOLER SUPPORT	2
18	DSC-120	BONDED WASHER 3/4" BSPP	2
19	DSC-567	ADAPTER R3/4" - JIC8	2
20	DSC-002454	1/2" STEEL TUBE ASSEMBLY OIL OUT	1
21	DSC-572	ADAPTER 3/4"NPTM - JIC8	2
22	DSC-002457	1/2" STEEL TUBE ASSEMBLY DRYER IN (TD)	1
23	SS-1503	5/16" LOCKWASHER	4
24	SS-725	5/16" HEX NUT	4
25	DSC-001449	HEAT EXCHANGER	1
26	DSC-001366	PRESS. TRANS. CABLE CSC200300	51"
27	DSC-001237	PRESSURE TRANSDUCER CSC200300	1
28	DSC-001660	ELBOW 1/4"NPT(M) - 1/4"BSPP(F)	1
29	DSC-001659	ADAPTER 1/8"BSPPM - 1/4"NPTF	1
30	DSC-001667	COPPER SEALING RING 1/8"BSPP	1
31	DSC-001676	SOLENOID 24V	1
32	DSC-002053	B-SERIES AIR END 24V	1
33	DSC-001217	BONDED WASHER 1/4"BSPP	1
34	DSC-001238	TEMPERATURE SENSOR CSC200300	1
35	DSC-001360	TEMPERATURE PROBE CABLE CSC200300	63"
36	DSC-427	BONDED WASHER 3/8"	3
37	DSC-001563	ADAPTER 3/8"BSPPM - JIC8	2
38	DSC-002455	1/2" STEEL TUBE ASSEMBLY OIL IN	1
39	DSC-603	B5-B10 OIL FILTER	1
40	DSC-002219	COPPER WASHER 1/2"BSPP	1
41	DSC-002220	ADAPTER-SH 1/2"BSPP - JIC 8	1
42	DSC-002456	1/2" STEEL TUBE ASSEMBLY AIR OUT	1
43	DSC-002825	ADAPTER 3/8"BSPP(M) - 3/8"NPT(M)	1
44	DSC-002828	BALL VALVE 3/8" NPTF X 3/8" NPTF	1
45	DD-00091	3/8"NPT X 1/2"DIA PNEU. FITTING	1
46	R-8504	PE TUBING 1/2" OD	1
47	DSC-002258	OIL CAP O-RING B5-10	1
48	DSC-001569	B5-B10 AIR FILTER	1
49	DSC-001564	ADAPTER 1/4"BSPPM - 1/4"NPTF	1
50	TIA-5200	SAFETY VALVE 200PSI	1
51	DSC-002463	AIR FILTER HOUSING B-SERIES	1
52	DSC-002476	AIR/OIL SEPARATOR FILTER	1
53	DSC-001663	AIR OUTLET HOSE TO TANK (T)	1
54	DSC-001968	COPPER SEALING RING 1/4"BSPP	1
55	DSC-001572	B-SERIES INTAKE VALVE	1
56	DSC-002870	ELBOW FITTING B-SERIES	1
57	DSC-002871	CONTROL LINE TUBE	1



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P	2/03/16	DSC-002854,002855 ADDED	---
O	1/15/16	CONTROL LINE PARTS ADDED	16-01
N	7/10/15	OIL DRAIN ASSEMBLY CHANGED	15-05
REV.	DATE	REVISION DESCRIPTION	PCN NO.

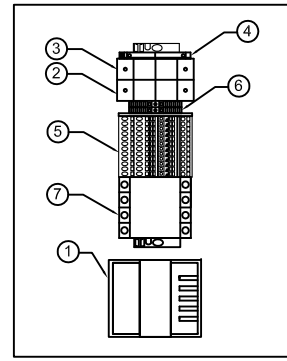


AIR OUT TO DRYER

DESCRIPTION OF DRAWING			
SYSTEM COMPONENTS			
DRAWING NO.	SHT NO	REV.	
B10VSI	D2	P	

NAME OF PROJECT			
B10VS SCREW COMPRESSOR			
DRAWN BY	CHECKED BY	DATE	SCALE
LT		6/11/13	N.T.S

REV.	DATE	REVISION DESCRIPTION	PCN NO.
A	05/02/13	E-STOP REMOVED	
B	06/18/13	FUSE INFO UPDATED	

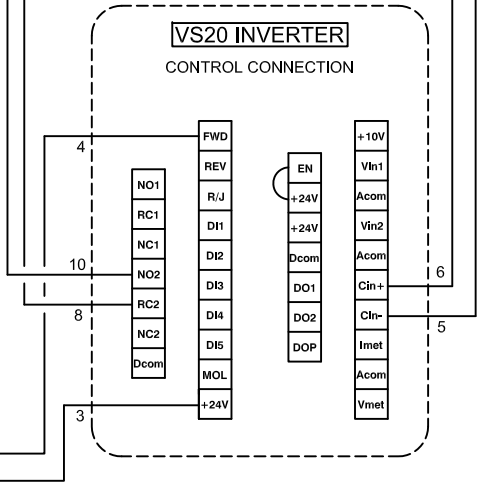
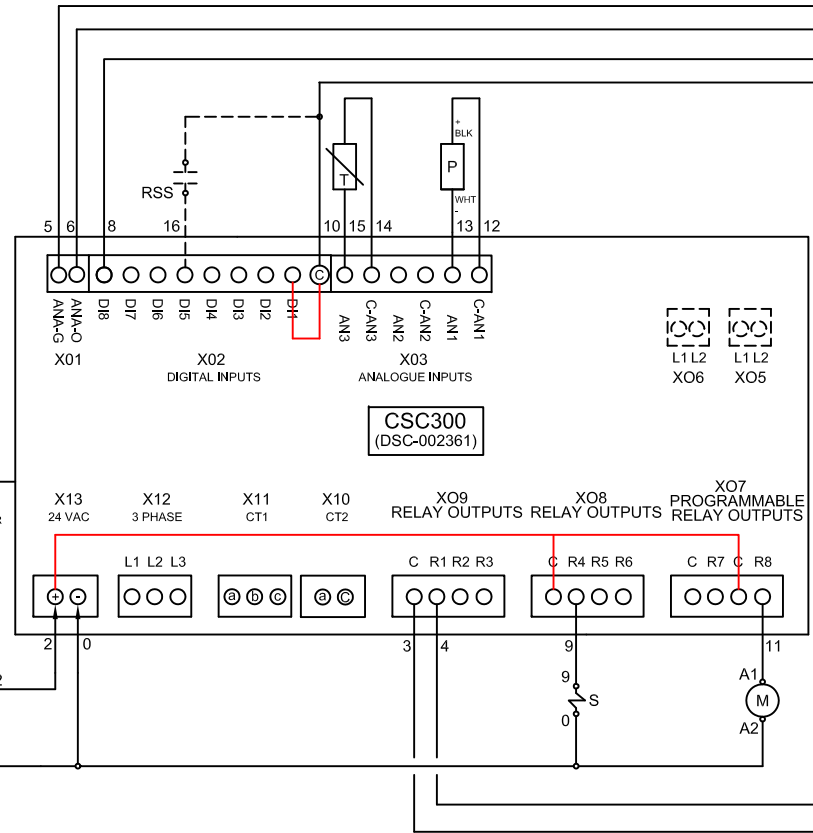
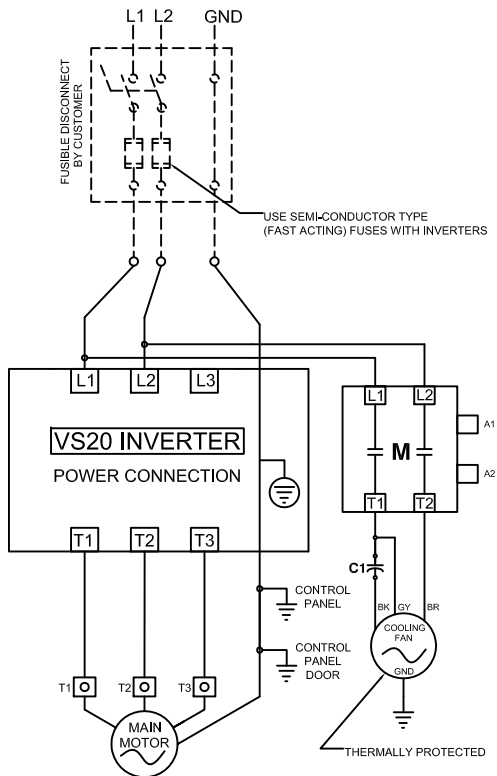


- PANEL SCHEMATIC
- ① TRANSFORMER
  - ② PRIMARY FUSE F1
  - ③ PRIMARY FUSE F2
  - ④ SECONDARY FUSE F3
  - ⑤ TERMINAL BLOCKS
  - ⑥ GROUND TERMINALS
  - ⑦ FAN STARTER

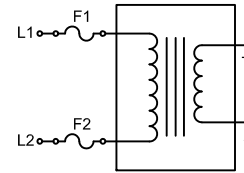
VOLTAGE	FUSE SIZE (AMPS)			DISCONNECT FUSE	
	CC TIME DELAY	F1	F2	3MM TIME DELAY	FAST ACTING CLASS
230	0.75	0.75	4		JJS/JJN 70

- P - PRESSURE TRANSDUCER
  - S - SOLONOID N.O.
  - M - FAN STARTER
  - T - TEMPERATURE SENSOR
  - RSS - REMOTE START/STOP
- (FIELD OPTION:  
 INSTALL RSS TO #16 AND #10  
 TERMINAL BLOCK. INSTALL WIRE  
 FROM #16 TO DI5. ON P18 CHANGE  
 P18.08 FROM 'OFF' TO 'DI REMOTE  
 START' AND P18.09 TO  
 NO/NC. ON P10 CHANGE P10.12  
 FROM 'KEYPAD' TO 'EQUIPMENT  
 DI'.)
- X07 - R7 AND R8 FOR PROGRAMMABLE  
 RELAY OUTPUT FUNCTION
  - BR - FAN LEAD (BROWN)
  - BL - FAN LEAD (BLACK)
  - GY - FAN LEAD (GREY)

POWER CIRCUIT SCHEMATIC



PRIMARY VOLTAGE



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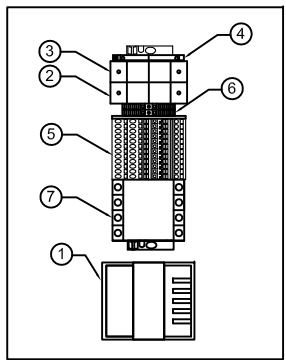
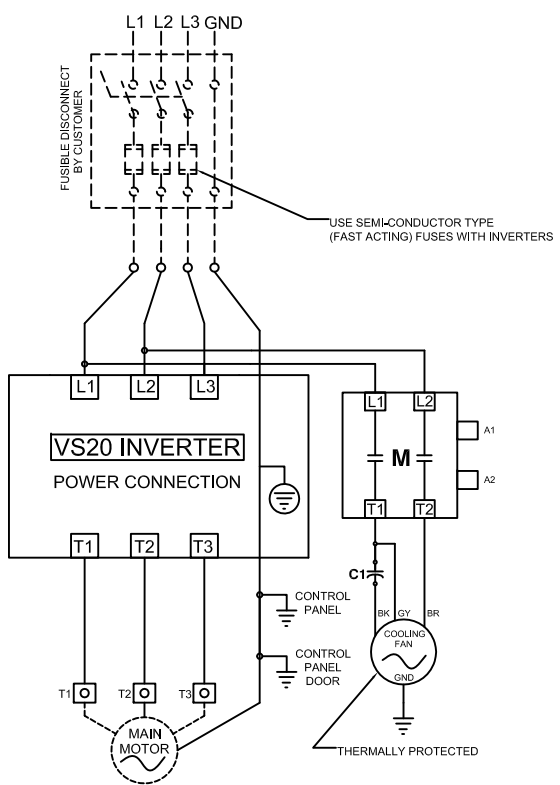
FRACTIONAL DIMENSIONS: ±1/32  
 DECIMAL DIMENSION: ±.005  
 ANGLES: ±1°  
 \*UNLESS OTHERWISE SPECIFIED



NAME OF PROJECT		DESCRIPTION OF DRAWING	
B10 230V 1PH SCREW COMPRESSOR WITH CSC300 CONTROLLER		ELECTRICAL SCHEMATICS CSC300 & VS20	
DRAWN BY	CHECKED BY	DATE	SCALE
E.H		11/13/14	N.T.S.
DRAWING NO.		SHT NO	REV
CSC300-B10-230V			B

REV.	DATE	REVISION DESCRIPTION	PCN NO.

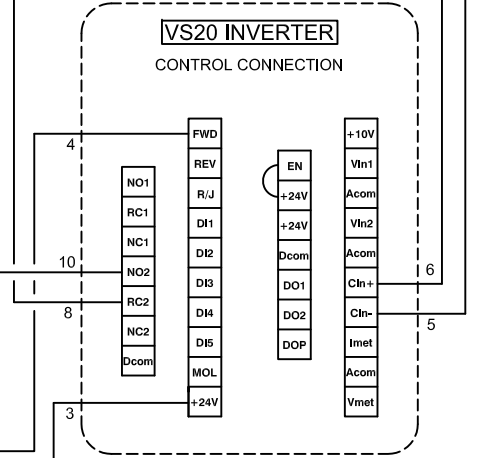
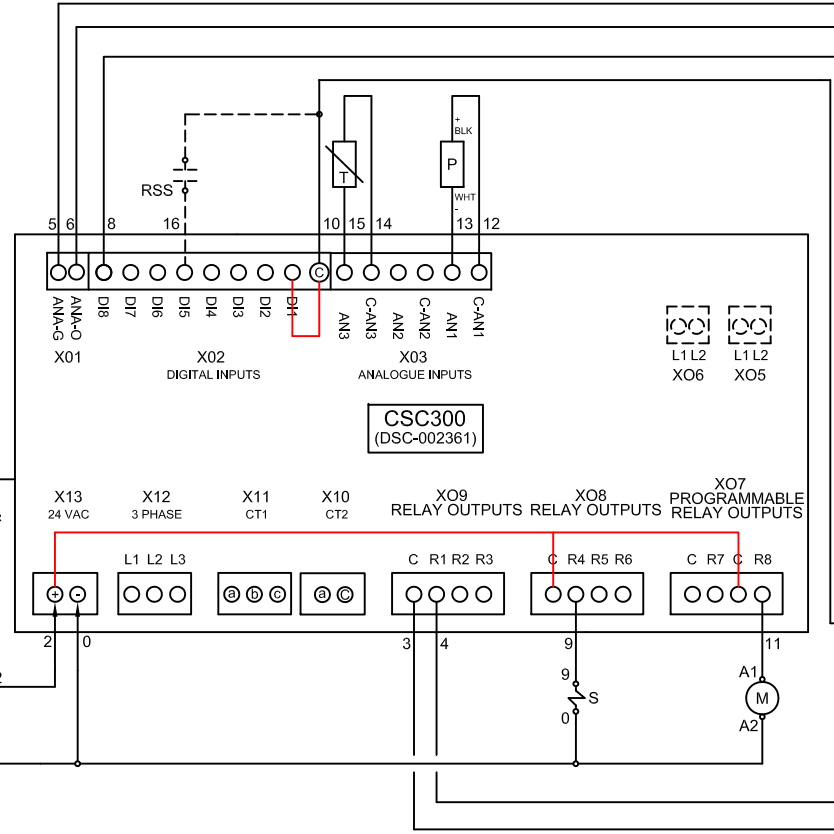
POWER CIRCUIT SCHEMATIC



- PANEL SCHEMATIC
- ① TRANSFORMER
  - ② PRIMARY FUSE F1
  - ③ PRIMARY FUSE F2
  - ④ SECONDARY FUSE F3
  - ⑤ TERMINAL BLOCKS
  - ⑥ GROUND TERMINALS
  - ⑦ FAN STARTER

VOLTAGE	FUSE SIZE (AMPS)			DISCONNECT FUSE	
	CC TIME DELAY		SMM TIME DELAY	FAST ACTING CLASS	
	F1	F2	F3	TYPE	AMP
200	0.75	0.75	4	JJS/JJN	50
230	0.75	0.75	4	JJS/JJN	40

- P - PRESSURE TRANSDUCER
  - S - SOLONOID N.O.
  - M - FAN STARTER
  - T - TEMPERATURE SENSOR
  - RSS - REMOTE START/STOP, N/O
- (FIELD OPTION:  
INSTALL RSS TO #16 AND #10  
TERMINAL BLOCK. INSTALL WIRE  
FROM #16 TO DI5. ON P18 CHANGE  
P18.08 FROM 'OFF' TO 'DI REMOTE  
START'. ON P10 CHANGE P10.12  
FROM 'KEYPAD' TO 'EQUIPMENT  
DI'.)
- X07 - R7 AND R8 FOR PROGRAMMABLE  
RELAY OUPUT FUNCTION
  - BR - FAN LEAD (BROWN)
  - BK - FAN LEAD (BLACK)
  - GY - FAN LEAD (GREY)



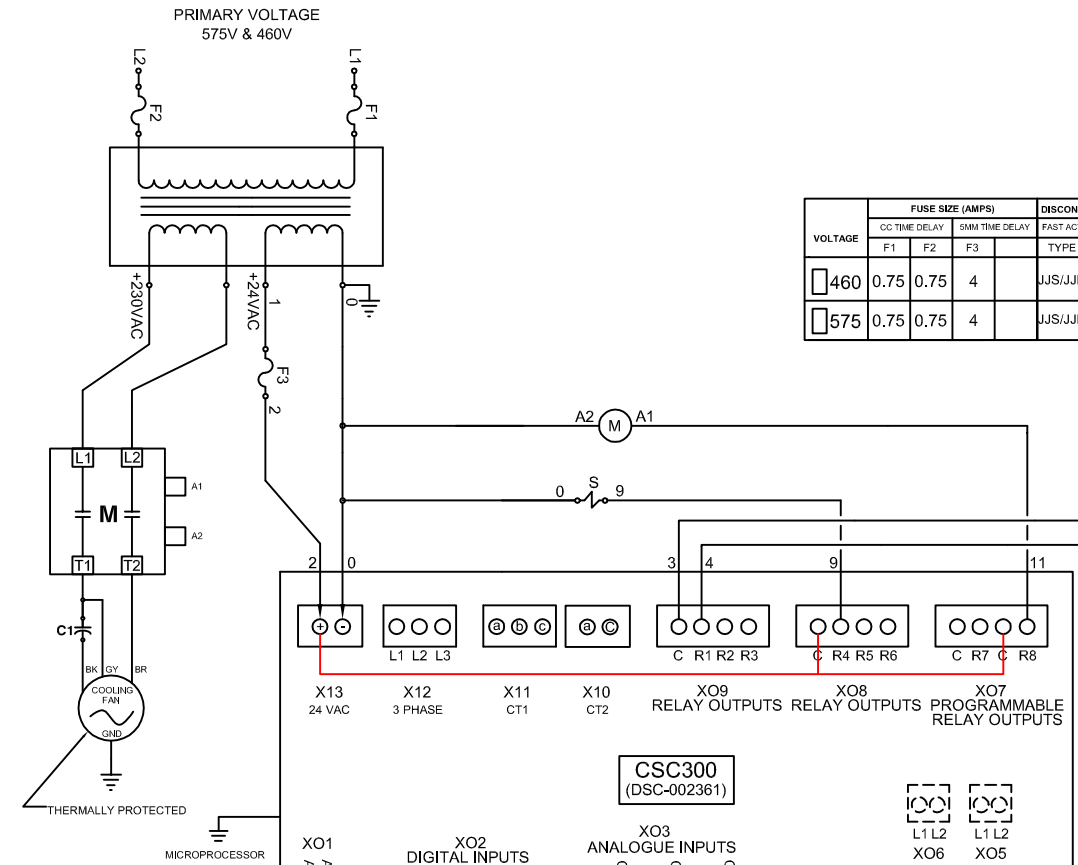
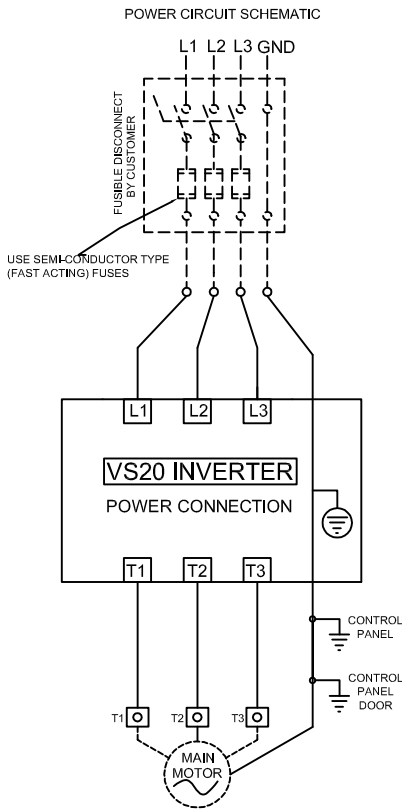
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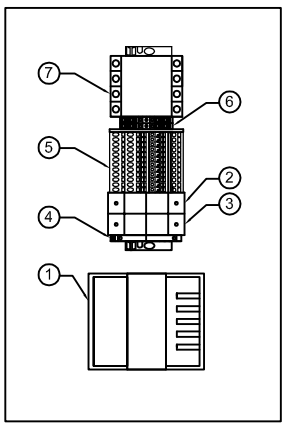
NAME OF PROJECT				DESCRIPTION OF DRAWING		
B10 200V 200V&230V 3PH SCREW COMPRESSOR WITH CSC300 CONTROLLER				ELECTRICAL SCHEMATICS CSC300 & VS20		
DRAWN BY				DRAWING NO.		SHT NO/REV
E.H				CSC300-B10-200V		
CHECKED BY		DATE	SCALE			
		11/13/14	N.T.S.			

REV.	DATE	REVISION DESCRIPTION	PCN NO.
A	12/05/14	DISCONNECT FUSE UPDATED	14-32



VOLTAGE	FUSE SIZE (AMPS)			DISCONNECT FUSE	
	CC TIME DELAY	5MM TIME DELAY	FAST ACTING CLASS	TYPE	AMP
460	0.75	0.75	4	JJS/JJN	17.5
575	0.75	0.75	4	JJS/JJN	15

- P - PRESSURE TRANSDUCER
- S - SOLENOID N.O.
- M - FAN STARTER
- T - TEMPERATURE SENSOR
- RSS - REMOTE START/STOP  
(FIELD OPTION:  
INSTALL RSS TO #16 AND #10  
TERMINAL BLOCK. INSTALL WIRE  
FROM #16 TO DI5. ON P18 CHANGE  
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START'. ON P10 CHANGE P10.12  
FROM 'KEYPAD' TO 'EQUIPMENT  
DI'.)
- X07 - R7 AND R8 FOR PROGRAMMABLE  
RELAY OUTPUT FUNCTION
- BR - FAN LEAD (BROWN)
- BK - FAN LEAD (BLACK)
- GY - FAN LEAD (GREY)



- PANEL SCHEMATIC
- ① TRANSFORMER
  - ② PRIMARY FUSE F1
  - ③ PRIMARY FUSE F2
  - ④ SECONDARY FUSE F3
  - ⑤ TERMINAL BLOCKS
  - ⑥ GROUND TERMINALS
  - ⑦ FAN STARTER

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ANGLES: ±1°  
\*UNLESS OTHERWISE SPECIFIED



NAME OF PROJECT			DESCRIPTION OF DRAWING		
B10 200V 460V&575V 3PH SCREW COMPRESSOR WITH CSC300 CONTROLLER			ELECTRICAL SCHEMATICS CSC300 & VS20		
DRAWN BY			DRAWING NO.		
CHECKED BY			SHT NO		
DATE			REV		
SCALE					
E.H			CSC300-B10-460-575		
11/13/14			A		
N.T.S.					