

6/26/2024 5:20 AM

230-275REOZJE/300REOZJ SOUND ALUMINUM ENCLOSURE:
ENCLOSURE ASSEMBLY DRAWING



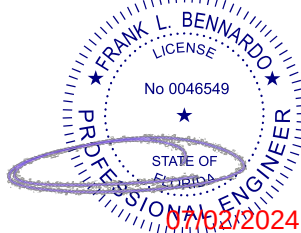
NOTE: LATEST KOHLER DRAWING EDITION INCLUDED IN THIS APPROVAL:

DRAWING: GM87411
REVISION (IF APPLICABLE) & DATE: REV "D", 07/30/18

SEE KOHLER DRAWING SEPARATELY. IMAGES INCLUDED AS SHOWN. FOLLOW THE LIMITATIONS, CONDITIONS, AND SPECIFICATIONS HEREIN.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885

JUNE 26, 2024



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FL 28906.2

ENGINEERING
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DISCOVERY ENERGY, LLC

200 TWIN OAKS ROAD
KOHLER, WI 53044
(920) 457-4441

230-300REOZJ SOUND ALUMINUM ENCLOSURE
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA)

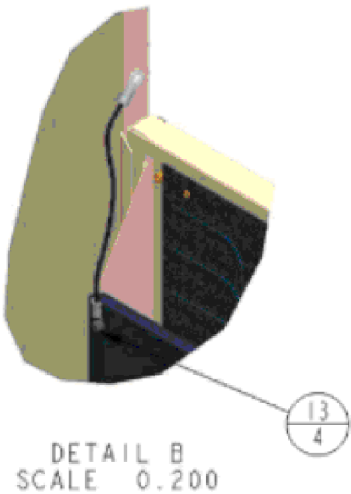
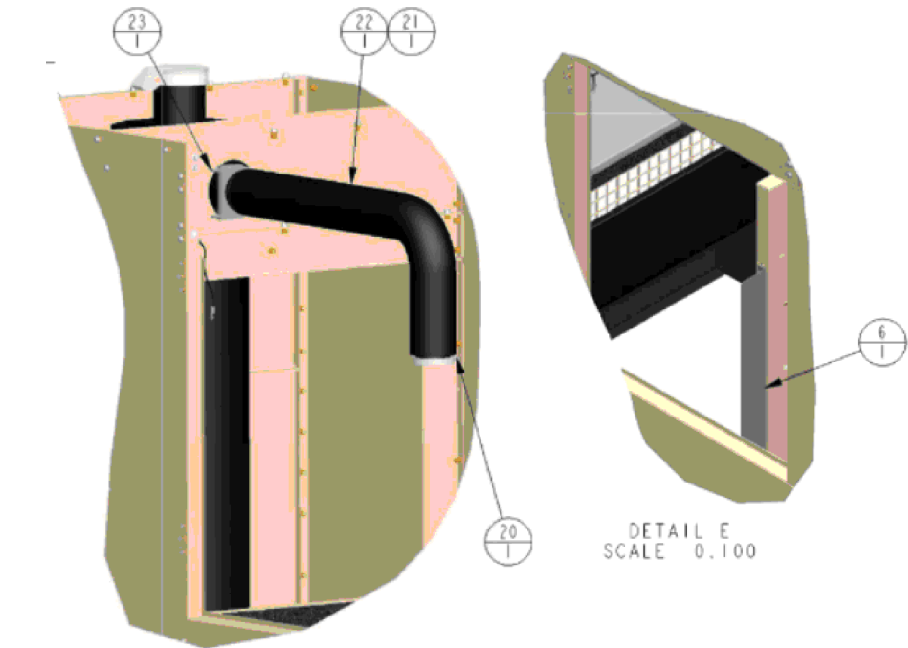
REMARKS	DATE	DRWN	CHKD
PREV. SUBMITTAL (20-28105)	02/15/21	EWR	RWN
2023 FBC UPDATE	10/23/23	EPR	RWN
CHANGE COMPANY ADDRESS	06/21/24	MARH	EPR

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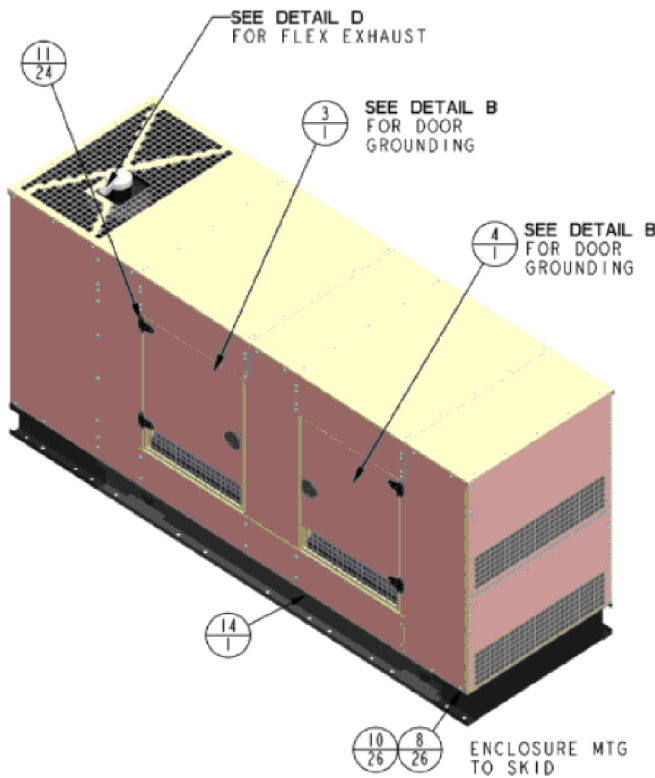
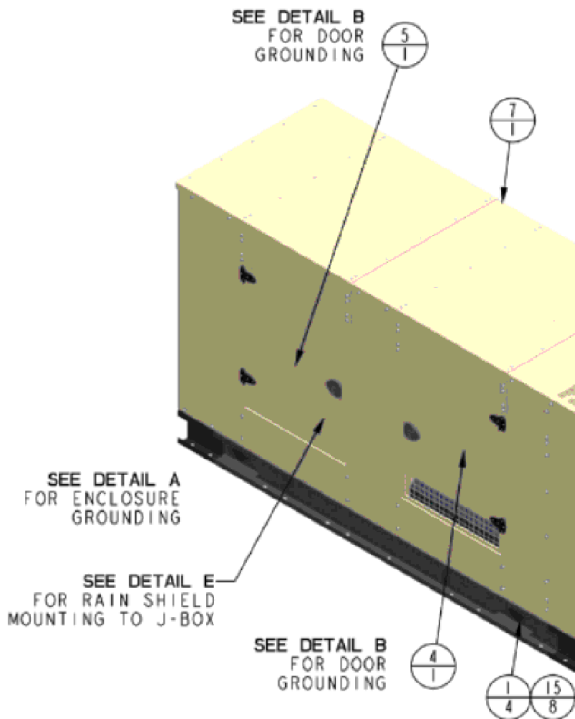
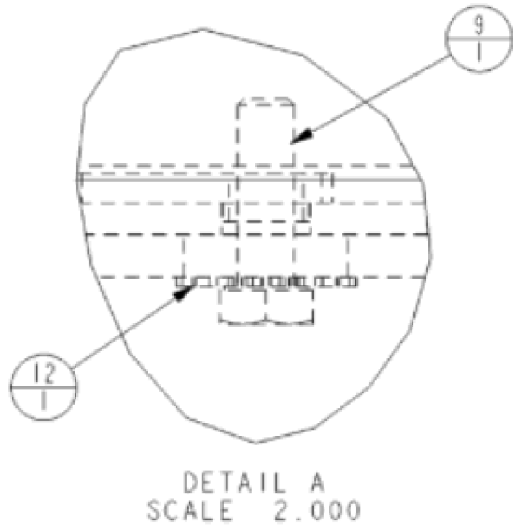
23-68376

SCALE: NTS UNLESS NOTED

02



ATTACH GROUND LEAD TO DOOR IN THIS LOCATION USING EXISTING DRILL SCREW. LOCATE LOCK WASHER UNDER TERMINAL (TYP 4 PLACES)



ITEM	PART NO	QTY	DESCRIPTION	COLOR DEPENDENT
			ENCLOSURE, ALUM SOUND	
1	GM11073	4	COVER, SKID HOLE	
3	GM65613-4	1	DOOR ASSY, AIR INTAKE (RH)	++
4	GM65616-4	2	DOOR ASSY, AIR INTAKE (LH)	++
5	GM94957-1	1	DOOR, ASSY (RH)	
6	GM70152	1	PANEL, RAIN SHIELD	
7	GM86608-1	1	ENCLOSURE ASSY, ALUM SOUND	
8	M125A-08-80	26	WASHER, PLAIN 8.4 ID X 16.0 OD	
9	M933-06020-60	1	SCREW, HEX CAP	
10	M933-08025-60	26	SCREW, HEX CAP	
11	M965A-06020-20	24	SCREW, FLAT HEAD MACHINE	
12	X-22-12	1	WASHER, LOCK	
13	X-22-16	4	WASHER, LOCK	
14	X-301-50	1	PLUG, BUTTON	
15	X-794-1	8	SCREW, DRILL	
20	276949	1	CLAMP, EXHAUST (4.81 IN.)	
21	GM64283	1	TUBE, FLEX EXHAUST	
22	GM66785	1	INSULATION, EXHAUST TUBE	
23	X-722-1	1	CLAMP, MUFFLER, 5.12 IN.	
24	GM101167	1	DECAL, ASSEMBLY	

ENCLOSURE KITS
230-300 KW JD 6090

REV	DATE	ON COMPOSITE DWGS, SEE PART NO. FOR REVISION LEVEL	BY	UNLESS OTHERWISE SPECIFIED - 1) DIMENSIONS ARE IN MILLIMETERS 2) TOLERANCES ARE: X.XX ± 0.25 X.X ± 0.0 X ± 0.5 ANGLES ± 0° 30'	APPROVALS	DATE
B	6-10-16	SEE SHEET 2, 3 & 4 [CT149199]	SSS			
C	01-20-17	[C,D-B, D-5] GM87411-KA1, KA2, KA3: X-6348-16 (2), X-6348-17 (4), X-6368-CST (2) & GM15299 (1) REMOVED; (D-8) GM101167 (1) ADDED; (D-1) DECAL RATING CHART REMOVED; (A-7) DECAL ASSEMBLY NOTE ADDED [CT169527]	PKK			
D	7-30-18	GM87411-KA3: GM94957-1 (1) WAS GM69245-2 (1), SEE SHEET 3 & 4 [CT188331]	SB			

APPROVED	KEM	1-29-13
CHECKED	KEM	1-29-13
DRAWN	SAM	1-29-13

SCALE	0.05	CAD NO.		SHEET	1	OF	4
DWG, ASSY ENCLOSURE				GM87411			D

230-275REOZJE/300REOZJ
SOUND ALUMINUM ENCLOSURE:
ENCLOSURE RETROFIT

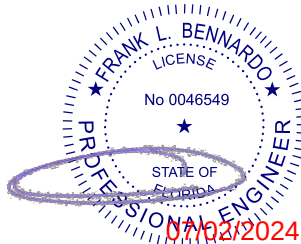
NOTE: LATEST KOHLER DRAWING EDITION INCLUDED IN THIS APPROVAL:

DRAWING: GM106259
REVISION (IF APPLICABLE) & DATE: REV "E", 07/30/21

SEE KOHLER DRAWING SEPARATELY. IMAGES INCLUDED AS SHOWN.
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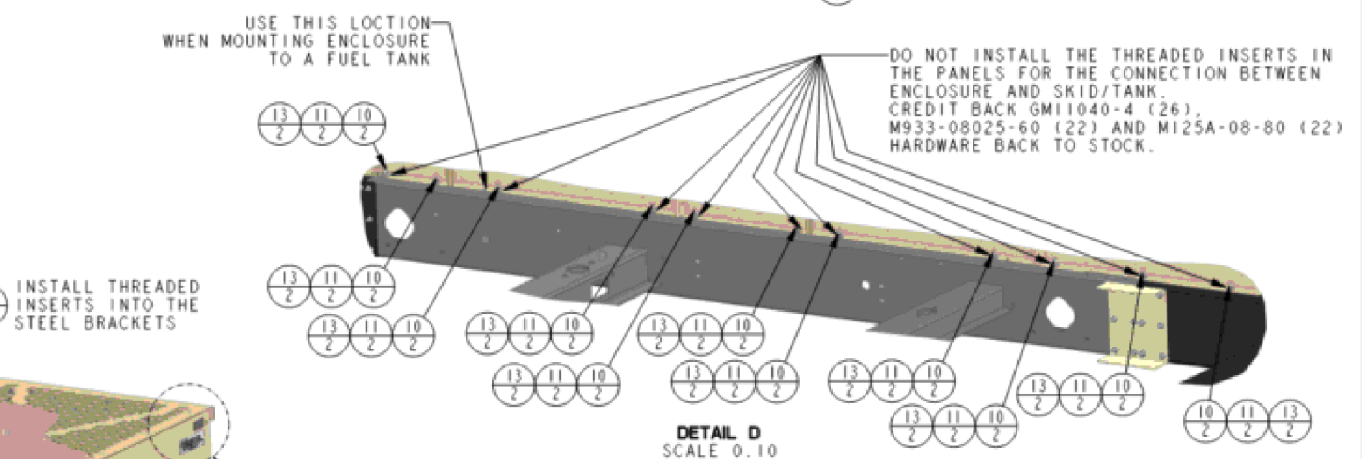
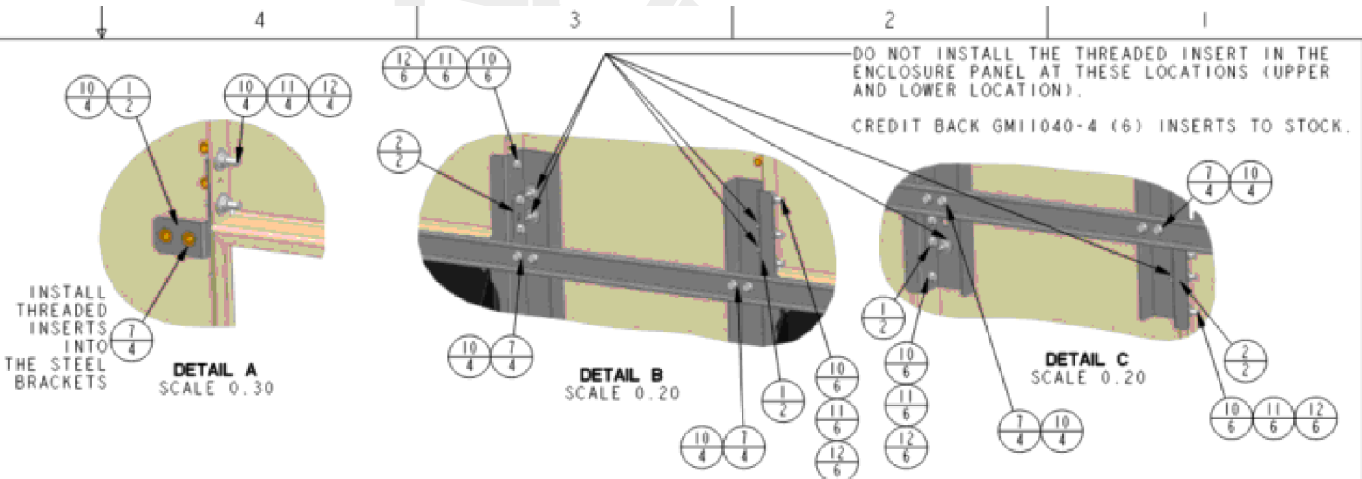
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KOHLER, WI 53044
(920) 457-4441
230-300REOZJ SOUND ALUMINUM ENCLOSURE
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA)

KIT NO.	REV	ITEM	PART NO	QTY	DESCRIPTION	COLOR DEPENDENT
GM106259-KA6+	B				BRACING, HURRICANE RATED ENCL.	
		1	GM106267	8	BRACKET, SUPPORT	++
		2	GM106275	8	BRACKET, SUPPORT	++
		3	GM106339	2	DECAL, HURRICANE RATED ENCLOSURE	
		4	GM106792	4	BRACKET, SUPPORT	++
		5	GM106793	4	BRACKET, CENTER SUPPORT	++
		6	GM106794	2	BRACKET, CENTER SUPPORT	++
		7	GM11040-4	32	INSERT, THREADED M8-1.25	
		8	GM87427	8	HINGE, DOOR	
		9	M125A-10-80	4	WASHER, PLAIN 10.5 ID X 20.0 OD	
		10	M6921-08030-60	114	SCREW, HEX FLANGE (M8-1.25 X 30MM)	
		11	M6923-08-80	82	NUT, HEX 8MM	
		12	X-25-1	52	WASHER, PLAIN, .438 ID X 1 IN. OD	
		13	X-25-38	22	WASHER, PLAIN, .406 ID X 1.25 IN. OD	
		14	X-400-89	4	SPACER, .406 ID X .625 OD X .375 IN. (KM)	
		15	X-6245-2	4	SCREW, C'SUNK HEX HEAD MACHINE	

THIS IS AN AUTOMATED TABLE. ALL UPDATES MUST BE MADE IN THE ASSEMBLY.



NOTE:
FOR PROPER ASSEMBLY METHOD OF HARDWARE, USE G-585 AS A GUIDELINE
+ ASSEMBLIES DENOTED WITH A + ARE COLOR DEPENDENT. REFER TO THE ASSEMBLY SUFFIX IN SAP FOR THE COLOR CODE PER G-702.
++ REFER TO ASSEMBLY BILL OF MATERIAL IN SAP FOR PAINT COLOR CODE SUFFIX FOR ALL PARTS WITH THE ++ DESIGNATION PER G-702.
THIS ASSEMBLY OR PART MUST COMPLY WITH PEP-RML-001
□ INDICATES PART NUMBERS AFFECTED BY LATEST DRAWING REVISION

REV	DATE	ON COMPOSITE DWGS, SEE PART NO. FOR REVISION LEVEL	BY	DO NOT SCALE. REFERENCE THE MODEL FOR ALL UNSPECIFIED DIMENSIONS
D	11-6-19	(A-33 "PEP-RML-001" NOTE ADDED: SEE SHEET 1, 2, 3, 4, 5 & 7 (CT199598)	HM	UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS IN MILLIMETERS GENERAL TOLERANCES: FRACTIONS DECIMALS SURFACE FINISH 1/16 0.063 12.5 1/8 0.125 12.5 3/16 0.188 12.5 1/4 0.250 12.5 5/16 0.312 12.5 3/8 0.375 12.5 1/2 0.500 12.5 3/4 0.750 12.5 1 1.000 12.5 1 1/2 1.500 12.5 2 2.000 12.5 3 3.000 12.5 4 4.000 12.5 5 5.000 12.5 6 6.000 12.5 8 8.000 12.5 10 10.000 12.5 12 12.000 12.5 14 14.000 12.5 16 16.000 12.5 18 18.000 12.5 20 20.000 12.5 22 22.000 12.5 24 24.000 12.5 26 26.000 12.5 28 28.000 12.5 30 30.000 12.5 32 32.000 12.5 34 34.000 12.5 36 36.000 12.5 38 38.000 12.5 40 40.000 12.5 42 42.000 12.5 44 44.000 12.5 46 46.000 12.5 48 48.000 12.5 50 50.000 12.5 52 52.000 12.5 54 54.000 12.5 56 56.000 12.5 58 58.000 12.5 60 60.000 12.5 62 62.000 12.5 64 64.000 12.5 66 66.000 12.5 68 68.000 12.5 70 70.000 12.5 72 72.000 12.5 74 74.000 12.5 76 76.000 12.5 78 78.000 12.5 80 80.000 12.5 82 82.000 12.5 84 84.000 12.5 86 86.000 12.5 88 88.000 12.5 90 90.000 12.5 92 92.000 12.5 94 94.000 12.5 96 96.000 12.5 98 98.000 12.5 100 100.000 12.5
E	30 JUL 2021	(D-73 M6921-08030-60 (114) WAS M6921-08030-60 (134) & M6921-08020-60 (80) REMOVED: SEE SHEET 1, 2, 3, 4, 5 & 7 (CT213662)	RVM	THIS DRAWING IS THE PROPERTY OF KOHLER CO. PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH KOHLER CO. WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.
				APPROVALS DATE GFR 11-30-18 NJB 11-30-18 AJW 11-30-18
				COPIES DWG. BRACING, HURRICANE RATED ENCL SCALE 0.10 (SEE NO.) GM106259 D

230-300KW JD ENCLOSURE

23-68376

SCALE: NTS UNLESS NOTED

03

6/26/2024 5:21 AM ERICREITEI c:\users\ericreite\engineering express\production - documents\projects\23-123-68376 180-300reozj aluminum enclosure 230reozje, 275reozje, 300reozj f28906.2\work\2023 fbc\drawings & cad\23-68376f - f28906.2 - dwg2.dwg

KOHLER CO.		METRIC	PRO-E
POWER SYSTEMS, KOHLER, WI 53044 U.S.A.			
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TITLE			
DIMENSION PRINT 230-300KW JD			
SCALE 1/8" = 1"		SHEET 2 of 4	
DWG. NO.		D	
ADV-7644			

230-275REOZJE/300REOZJ
SOUND ALUMINUM ENCLOSURE:
ENCLOSURE'S TANKS

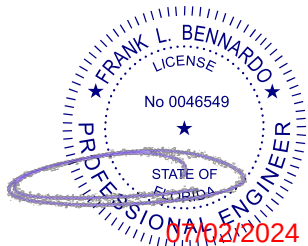
NOTE: LATEST KOHLER DRAWING EDITION INCLUDED IN THIS APPROVAL:

DRAWING: ADV-7645
REVISION (IF APPLICABLE) & DATE: REV "G", 07/31/19

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230-300REOZJ SOUND ALUMINUM ENCLOSURE
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA)

REV	DATE	BY	CHKD	DATE
1	02/15/21	EWR	RWN	02/15/21
2	10/23/23	EPR	RWN	10/23/23
3	06/21/24	MARH	EPR	06/21/24
4				
5				
6				
7				
8				
9				
10				

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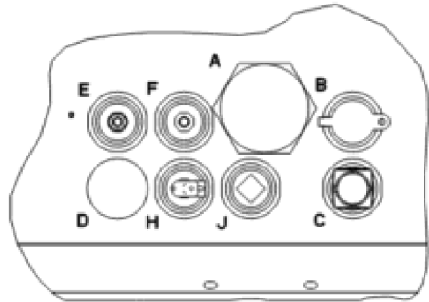
23-68376

SCALE: NTS UNLESS NOTED

05

MODEL	CAPACITY L (GAL)	WEIGHT KG (LBS)	HEIGHT MM (IN)	LENGTH MM (IN)	EMERGENCY VENT (A) INNER / SECONDARY (IN)
230-275kW	1786 L [472 GAL]	911 KG [2009 LBS]	762 MM [30 IN]	4094 MM [161.2 IN]	4 / 4
300kW	2070 L [546 GAL]	939 KG [2070 LBS]	838.2 MM [33 IN]	4094 MM [161.2 IN]	4 / 5

THIS IS AN AUTOMATED TABLE. ALL CHANGES TO THIS TABLE MUST BE MADE IN THE FAMILY TABLE OF THE GENERIC MODEL.



DETAIL A
SCALE 0.200

TANK FITTINGS:

- A. EMERGENCY VENT FITTING PER NFPA 30 WITH VENT CAPS (QTY 2).
- B. 2" NPT FUEL FILL FITTING WITH LOCKABLE CAP AND 2" RISER.
- C. 2" NPT FUEL LEVEL GAUGE FITTING WITH DIRECT READING MECHANICAL GAUGE.
- D. 2" NPT NORMAL VENT FITTING WITH MUSHROOM VENT CAP AND 5" RISER.
- E. 2" NPT FITTING FOR REMOVABLE ENGINE SUPPLY DIP TUBE (3/8" NPT FEMALE WITH CHECK VALVE).
- F. 2" NPT FITTING FOR REMOVABLE FUEL RETURN DIP TUBE (3/8" NPT FEMALE).
- H. 2" NPT FOR LOW LEVEL SWITCH (SET AT 50% FULL, SILICONE PACKED).
- J. 2" NPT ADDITIONAL FITTING FOR OPTIONAL ACCESSORY (INSTALL STEEL 2" NPT PIPE PLUG).
- M. 1/2" NPT BASIN DRAIN (INSTALL STEEL 1/2" NPT PIPE PLUG).
- N. 1/2" NPT FOR FUEL IN BASIN SWITCH (INSTALL STEEL 1/2" NPT PIPE PLUG).

REV	DATE	ON COMPOSITE DWGS, SEE PART NO. FOR REVISION LEVEL	BY	CHKD	DATE
A	10-17-09	SEE SHEET 2 OF 2, (C-4) 14X Ø25.4 WAS 12X (A-6) 675.0 AND 676.0 ADDED. [88481]	GFR		
B	10-7-10	(D-8) STANDARD TANK TABLE ADDED [90099-6]	RJS		
C	12-2-11	VIEWS UPDATED [92417-5]	SOS		
D	5-8-12	SEE SHEETS 2 & 3, SHEET 3 ADDED [CT13297]	JB2		
E	10-21-15	SEE SHEET 3 OF 3, [CT128239]	GFR		
F	11-17-17	(D-5) 546 GAL., SECONDARY VENT 5" WAS 4", TABLE UPDATED [CT181456]	JB2		
G	7-31-19	SEE SHEET 2 [CT197533]	PAS		

DIMENSIONS IN () ARE ENGLISH EQUIVALENTS.

KOHLER CO. METRIC PRO-E

POWER SYSTEMS, KOHLER, WI 53044 U.S.A.

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TITLE: DIMENSION PRINT

SCALE: 0.10 (1/10) SHEET 1 OF 3

ADV-7645 D

NOTE:
ALL ANCHOR LOCATIONS SHOWN
SHALL BE USED, FOR A TOTAL OF (14)
ANCHORS, (7) PER SIDE, TYP.

NOTE:
FOR FURTHER TANK DETAIL
SEE INDIVIDUAL DRAWINGS.

230-300KW
JOHN DEERE TIER III
STANDARD CODE TANK

6/26/2024 5:21 AM ERICREITEI c:\users\ericreite\engineering express\production - documents\projects\23-123-68376 180-300reozj aluminum enclosure 230reozje, 275reozje, 300reozj f28906.2\work\2023 fbc\drawings & cad\23-68376f - f28906.2 - dwg2.dwg

Technical drawing of a rectangular structure, likely a tank or container, showing dimensions and a central hexagonal feature. The drawing includes the following dimensions:

- Top horizontal dimension: 53.1 [2.09]
- Bottom horizontal dimension: 90.0 [3.54]
- Right vertical dimension: 1120.0 [44.09]
- Central hexagonal feature: A hexagon with a central dot.

6/26/2024 5:22 AM ERICREITEI c:\users\ericreite\engineering express\production - documents\projects\23-123-68376 180-300reozj aluminum enclosure 230reozje, 275reozje, 300reozj f28906.2\work\2023 fbc\drawings & cad\23-68376f - f28906.2 - dwg2.dwg

07 OF 8

Technical drawing of a 300KW John Deere Tier III State Code Tank, showing front, side, and detail views with dimensions in inches and millimeters.

Front View Dimensions:

- Overall Length: 1805.9 [71.10]
- Overall Height: 1300.0 [51.18]
- Internal Electrical Stub-Up Area: 482.6 [19.00] (Open to Bottom)
- Anchor Spacing: 1805.9 [71.10] (Total), 914.5 [36.00] (Between)
- Anchor Locations: 128.1 [5.04], 596.9 [23.50], 559.0 [22.01], 1351.0 [53.19], 1214.8 [47.83], 821.8 [32.35], 800.1 [31.50], 116.3 [4.58]
- Secondary Tank Emergency Pressure Relief Vent A: 14X Ø25.4 [1.00]
- Radiator End: 1300.0 [51.18]

Side View Dimensions:

- Overall Length: 3114.8 [122.63]
- Overall Height: 105.7 [4.16]
- Anchor Spacing: 735.0 [28.94] (Between), 3114.8 [122.63] (Total)

Detail View Dimensions:

- Overall Length: 1193.8 [47.00]
- Overall Height: 90.0 [3.54]
- Anchor Spacing: 1120.0 [44.09] (Between), 53.1 [2.09] (Total)

Legend:

- C. 2" NPT FUEL LEVEL GAUGE FITTING WITH DIRECT READING MECHANICAL GAUGE.
- D. 2" NPT NORMAL VENT FITTING WITH MUSHROOM VENT CAP AND 5" RISER.
- E. 2" NPT FITTING FOR REMOVABLE ENGINE SUPPLY DIP TUBE (3/8" NPT FEMALE WITH CHECK VALVE).
- F. 2" NPT FITTING FOR REMOVABLE FUEL RETURN DIP TUBE (3/8" NPT FEMALE).
- H. 2" NPT FOR FUEL LEVEL SENDER.
- J. 2" NPT ADDITIONAL FITTING FOR OPTIONAL ACCESSORY (INSTALL STEEL 2" NPT PIPE PLUG).
- M. 2" NPT BASIN DRAIN (INSTALL STEEL 2" NPT PIPE PLUG).
- N. 2" NPT FOR FUEL IN BASIN SWITCH ACCESSORY (INSTALL STEEL 2" NPT PIPE PLUG).
- P. 2" NPT ADDITIONAL FITTING FOR OPTIONAL ACCESSORY (INSTALL STEEL 2" NPT PIPE PLUG).
- T. 2" NPT ADDITIONAL FITTING FOR OPTIONAL ACCESSORY (INSTALL STEEL 2" NPT PIPE PLUG).

NOTE: ALL ANCHOR LOCATIONS SHOWN SHALL BE USED, FOR A TOTAL OF (14) ANCHORS, (7) PER SIDE, TYP.

NOTE: FOR FURTHER TANK DETAIL SEE INDIVIDUAL DRAWINGS.

300KW JOHN DEERE TIER III STATE CODE TANK

REV	DATE	ON COMPOSITE DWGS. SEE PART NO. FOR REVISION LEVEL	BY	UNLESS OTHERWISE SPECIFIED - 2) DIMENSIONS ARE IN MILLIMETERS
D	5-8-12	SEE SHEET 2 (D-2) FITTING NOTES REVISED (CT13297)	JB2	
E	10-21-15	(D-5) E-VENT: 6 WAS 5. (CT128239)	GFR	
F	11-17-17	SEE SHEET 1 (CT181456)	JB2	
G	7-31-19	SEE SHEET 2 (CT197533)	PAS	

APPROVALS	DATE
DRWN JB2	5-8-12
CHCKD DCF	5-8-12
APPRVD SLJ	5-8-12

KOHLER CO. METRIC PRO-E

POWER SYSTEMS, KOHLER, WI 53044 U.S.A.

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PRINT, DIMENSION

SCALE: 0.10 CAD NO. SHEET 3 of 3

ADV-7645 D

TANK FITTINGS:

- A. EMERGENCY VENT FITTING PER NFPA 30 WITH VENT CAPS (QTY 2).
- B. 2" NPT FUEL FILL FITTING WITH LOCKABLE CAP AND 2" RISER.
- C. 2" NPT FUEL LEVEL GAUGE FITTING WITH DIRECT READING MECHANICAL GAUGE.
- D. 2" NPT NORMAL VENT FITTING WITH MUSHROOM VENT CAP AND 5" RISER.
- E. 2" NPT FITTING FOR REMOVABLE ENGINE SUPPLY DIP TUBE (3/8" NPT FEMALE WITH CHECK VALVE).
- F. 2" NPT FITTING FOR REMOVABLE FUEL RETURN DIP TUBE (3/8" NPT FEMALE).
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- M. 2" NPT BASIN DRAIN (INSTALL STEEL 2" NPT PIPE PLUG).
- N. 2" NPT FOR FUEL IN BASIN SWITCH.
- P. 2" NPT ADDITIONAL FITTING FOR OPTIONAL ACCESSORY (INSTALL STEEL 2" NPT PIPE PLUG).
- T. 2" NPT ADDITIONAL FITTING FOR OPTIONAL ACCESSORY (INSTALL STEEL 2" NPT PIPE PLUG).

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JUNE 26, 2024



08