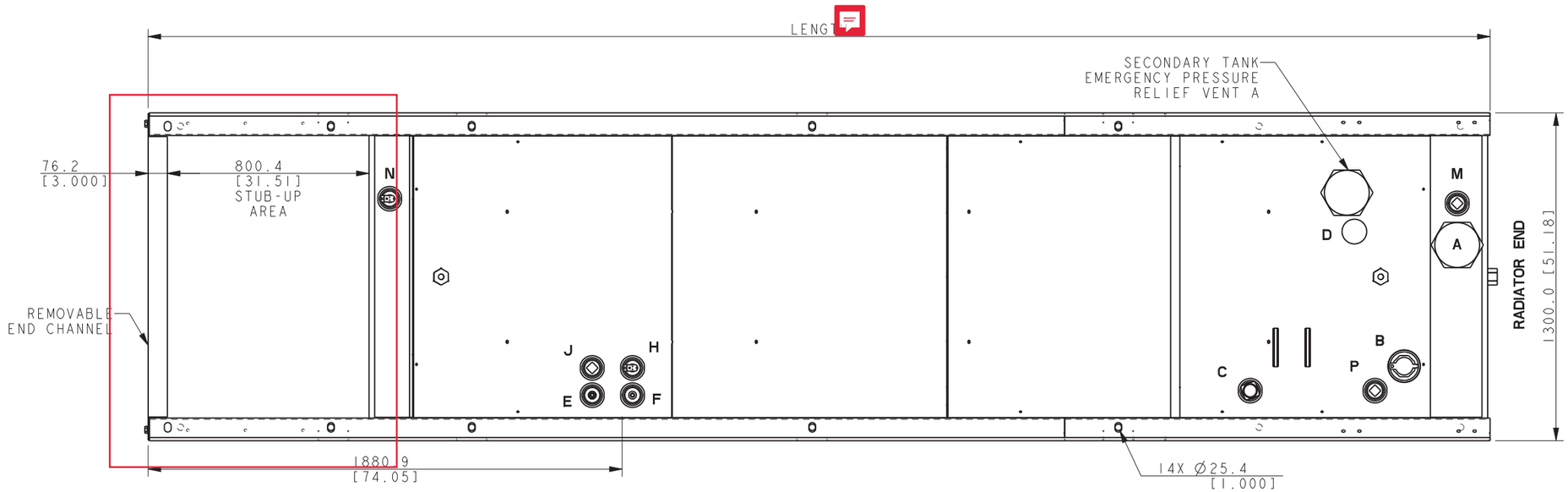
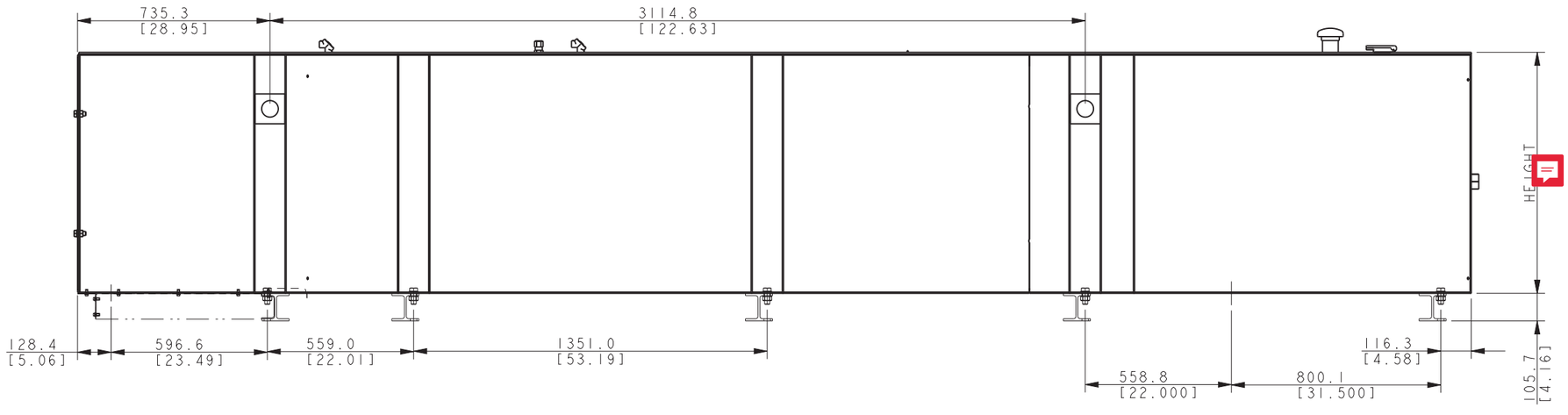
MODEL	CAPACITY L [GAL]	WEIGHT KG [LBS]	HEIGHT MM [IN]	LENGTH MM [IN]	E - VENTS SIZE (QTY)
230-300kW	2102 L [555 GAL]	1242 KG [2738 LBS]	635 MM [25 IN]	5008 MM [197.2 IN]	5 (2)
230-275kW	3573 L [944 GAL]	1851 KG [4081 LBS]	914.4 MM [36 IN]	5325 MM [209.7 IN]	5 (2)

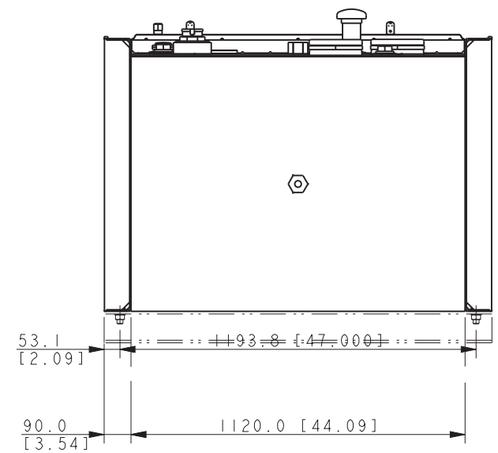
THIS IS AN AUTOMATED TABLE. ALL CHANGES TO THIS TABLE MUST BE MADE IN THE FAMILY TABLE OF THE GENERIC MODEL.

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. 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).







NOTE:

FOR FURTHER TANK DETAIL SEE INDIVIDUAL DRAWINGS.

230-300KW JOHN DEERE TIER III STATE CODE TANK

DIMENSIONS IN [ ] ARE ENGLISH EQUIVALENTS.

REV	DATE	ON COMPOSITE DWGS, SEE PART NO. FOR REVISION LEVEL	BY
A	11-18-09	SEE SHEET 1 OF 2. (D-7) 800.4 ADDED.[88481]	GFR
B	10-7-10	(D-8) STATE TANK TABLE ADDED [90099-6]	RJS
C	12-2-11	VIEWS UPDATED [92417-5]	SDS
D	5-8-12	SEE SHEET 3, (D-8) 300 KW MOVED TO SHEET 3,	
		(D-3) FITTING NOTES REVISED [CT13297]	JB2
E	10-21-15	SEE SHEET 3 OF 3. [CT128239]	GFR
F	11-17-17	SEE SHEET 1 [CT181456]	JB2
G	7-31-19	(D-5) EMERGENCY VENTS FOR 555 GAL: 5"	
		WAS 4" [CT197533]	PAS

UNLESS OTHERWISE SPECIFIED - 1) DIMENSIONS ARE IN MILLIMETERS 2) TOLERANCES ARE: X.XX ± 0.25, X.X ± 1.0, X ± 1.5, ANGLES ± 0° 30'. SURFACE FINISH MAX. THIRD ANGLE PROJECTION

APPROVALS		DATE
DRAWN	JB2	10-27-08
CHECKED	DEF	10-27-08
APPROVED	DEF	10-27-08

KOHLER CO. METRIC PRO-E

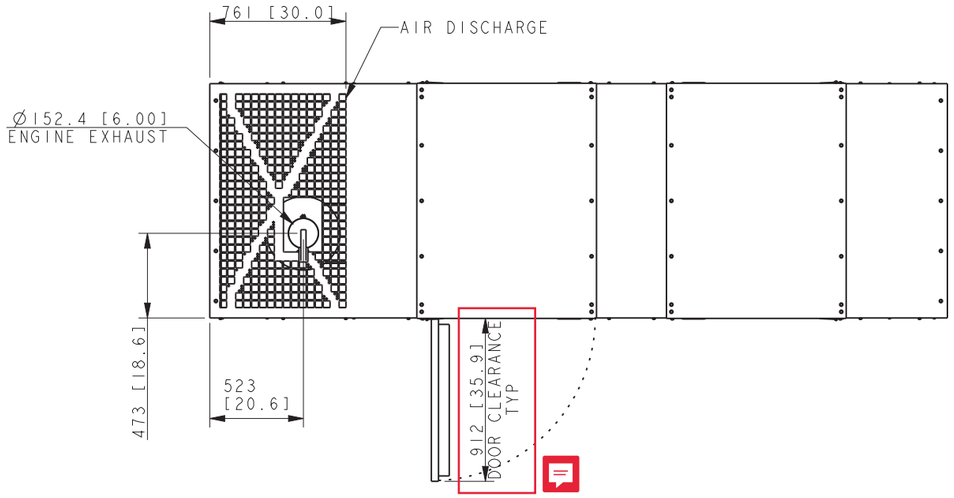
POWER SYSTEMS, KOHLER, WI 53044 U.S.A.

TITLE: **DIMENSION PRINT**

SCALE 0.10 | CAD NO. | SHEET 2 of 3

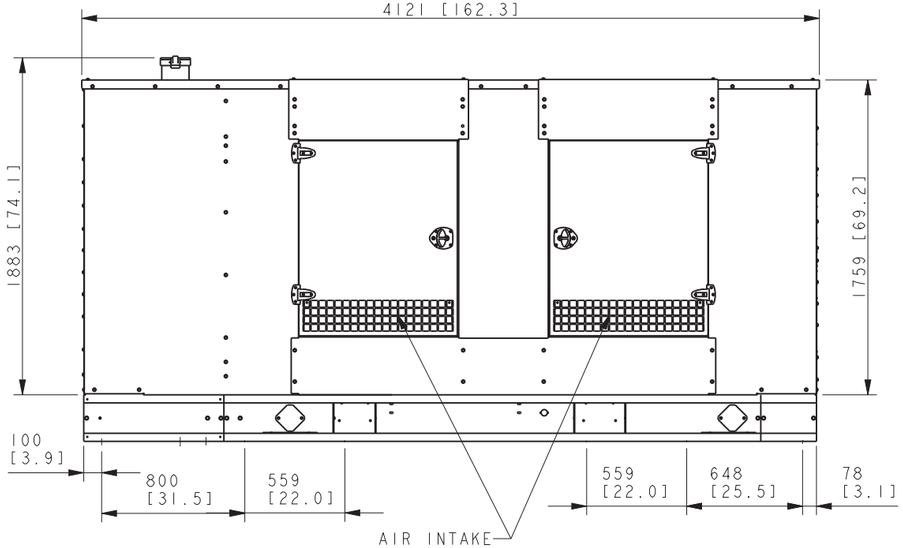
DWG NO. **ADV-7645** | **D**

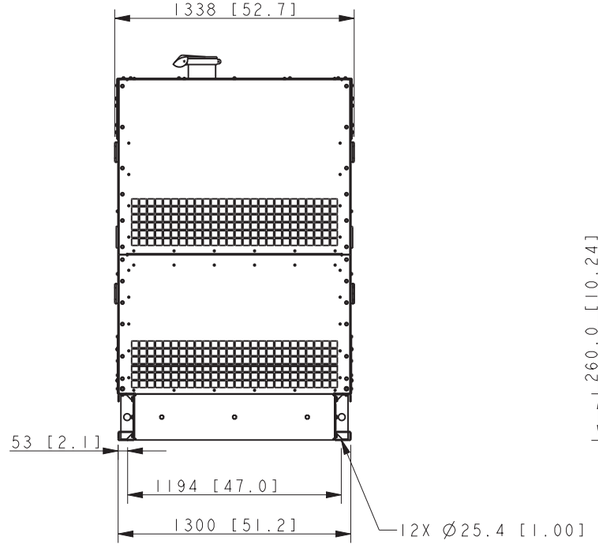
MODEL	ENCLOSURE WEIGHT KG [LBS]
STEEL WEATHER	363 [800]
STEEL SOUND	386 [850]
ALUMINIUM SOUND	238 [525]

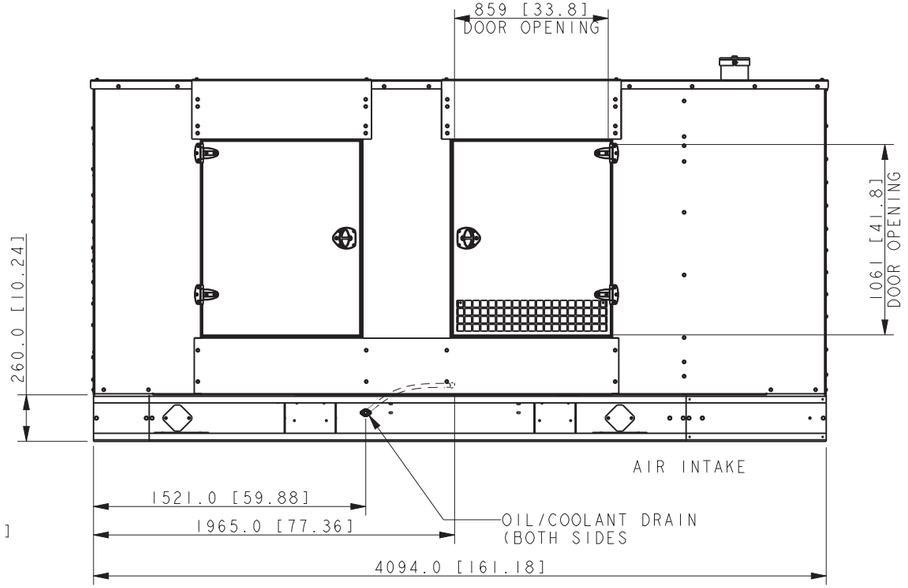


NOTE:

1. IF STANDARD TANK IS ORDERED, ENCLOSURE MOUNTS DIRECTLY TO TANK
2. IF STATE TANK IS ORDERED, TANK MOUNTS BELOW SKID
3. TANK MAY EXTEND BEYOND ENCLOSURE (DISCHARGE END ONLY)
4. FOR STUB-UP ACCESS DURING INSTALLATION THE REAR ENCLOSURE PANEL SHOULD BE REMOVED.







DIMENSIONS IN [] ARE IN ENGLISH EQUIVALENTS.

230-300 MODEL
JOHN DEERE TIER III
IBC/ OSHPD

REV	DATE	ON COMPOSITE DWGS, SEE PART NO. FOR REVISION LEVEL	BY
B	10-7-10	(D-6) 523 WAS 588, (C-6) 761 WAS 713, (B-2) 4121.4 WAS 4100.0 [90099-5]	RJS
C	3-16-11	(A-8) 260.0 WAS 200.0 [91189]	SAM
D	6-20-11	(C-3) STUB-UP NOTE ADDED [91752]	SAM
E	10-31-12	SHEET2 WAS SHEET 1, ADDED SHEET 1 [CT28612]	CEK
F	2-5-13	(A-1) 2-4 WAS 2-2, SEE SHEET 3 AND 4 [CT32174]	SAM
G	8-4-17	(C-5) DIM. Ø152.4 (6.00) ADDED; SEE SHEET 1 [CT177004]	SRM
H	11-22-18	VIEWS UPDATED, SEE SHEET 1,3 & 4 [CT191932]	YPW

UNLESS OTHERWISE SPECIFIED -
1) DIMENSIONS ARE IN MILLIMETERS
2) TOLERANCES ARE:
X.XX ± 0.25
X.X ± 1.0
X ± 1.5
ANGLES ± 0° 30'
SURFACE FINISH ✓ MAX.
THIRD ANGLE PROJECTION

APPROVALS		DATE
DRAWN	DJV	10-24-08
CHECKED	CWF	10-24-08
APPROVED	SLJ	10-24-08

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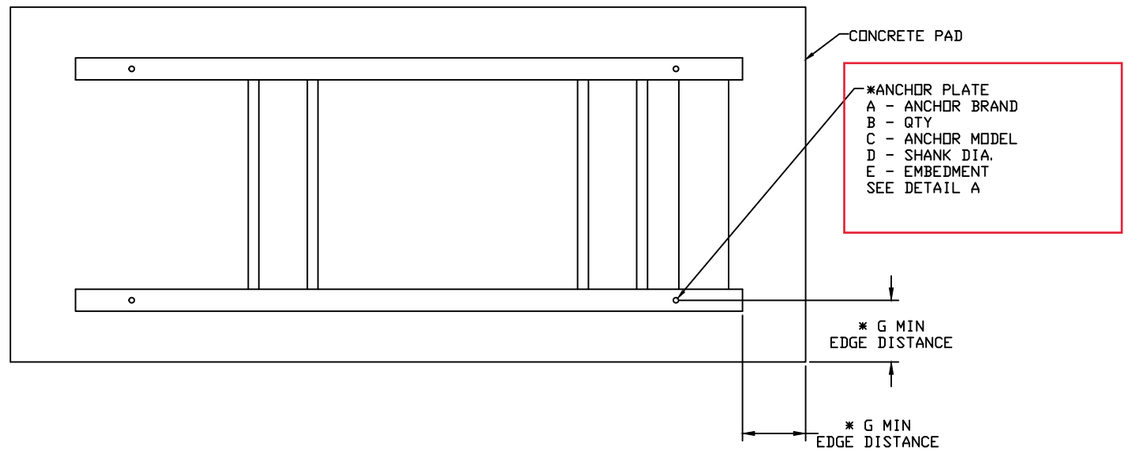
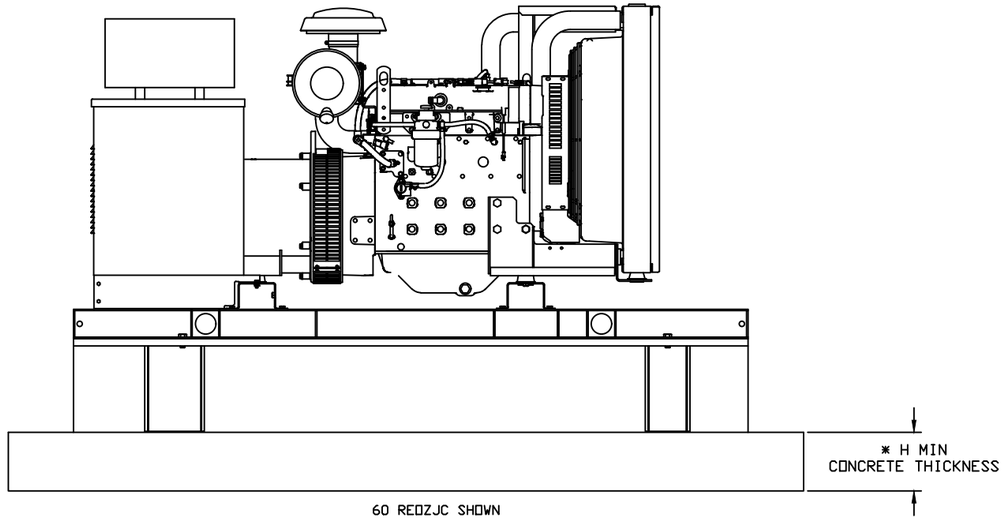
TITLE
DIMENSION PRINT 230-300KW JD

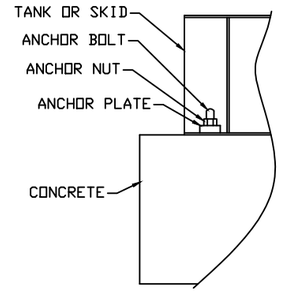
SCALE 0.06 | CAD NO. | SHEET 2 of 4
DWG NO. **ADV-7644** | **D**

REV	DATE	REVISION	BY
J	8-1-18	SEE SHEET 3 [PR07342]	KJT
K	11-19-18	SEE SHEET 2 [CT191432]	SLR
L	1-18-19	SEE SHEET 3 [CT193090]	SLR
M	6-9-20	SEE SHEET 2 [CT204358]	MVT
N	04AUG2020	SEE SHEET 3 [CT205825]	DS
P	09SEP2020	SEE SHEET 2 & 3 [CT206513]	DS
R	30JUL2021	SEE SHEET 3 [CT207231]	SLR





60 REOZJC SHOWN



DETAIL A

NOTE:
1) SPECIAL INSPECTION PER IBC
IS REQUIRED ON ALL INSTALLATIONS.
ALL ANCHORS MUST BE INSTALLED TO MEET COMPLIANCE

2) NO OTHER ANCHORS ARE ALLOWED WITHIN MINIMUM SPACING DISTANCE WITHOUT ADVANCED APPROVAL OF THE STRUCTURAL PROJECT ENGINEER OF RECORD.

3) *SEE NOTES ON SHEET 3

METRIC CAD FILE

DIMENSIONS IN [ ] ARE INCH EQUIVALENT

UNLESS OTHERWISE SPECIFIED –
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2) TOLERANCES ARE:
X.XX ± 0.25
X.X ± 1.0
X ± 1.5
ANGLES ± 0°30'
SURFACE FINISH MAX.
THIRD ANGLE PROJECTION

APPROVALS		DATE
DRAWN	SAM	9-11-13
CHECKED	AJD	9-12-13
APPROVED	AJD	9-12-13

TITLE: DIMENSION PRINT
SEISMIC INSTRUCTION

SCALE | CAD NO. | SHEET 1-4

DWG. NO. ADV-8629 | D

PLOTTED DATE

SEISMIC INSTRUCTION

MAXIMUM SEISMIC DESIGN RATING APPLIES AS A SYSTEM TO GENSET, TANKS, ENCLOSURES AND ACCESSORIES						ANCHORING SYSTEM							
GENSET MODELS	ENCLOSURE	FUEL TANK CAPACITY LITERS	FUEL TANK CAPACITY GAL	S_{DS} @ Z/H=0.0	S_{DS} @ Z/H=1.0	ANCHORING PLACEMENT LOCATIONS	A ANCHOR BRAND	B QTY	C ANCHOR MODEL	D SHANK DIA	E EMBEDMENT	G MIN. EDGE DISTANCE	H MIN. THICKNESS
25–45 REZG/B 50–60 REZGB/C	OPEN OR ENCLOSED UNITS	–		2.0	2.0	FOR MTG. HOLES SEE GENSET/ENCLOSURE/ ADVS RESPECTIVELY	HILTI	6	TZ	15.9 [.63]	101.6 [4.0]	203.2 [8.0]	203.2 [8.0]
80 REZGD	OPEN UNITS	–					HILTI	4	HDA–P M16X190/40	16.0 [.63]	190 [7.48]	203.2 [8.0]	304.8 [12.0]
	ENCLOSED	–					HILTI	6	HDA–P M16X190/40	16.0 [.63]	190 [7.48]	203.2 [8.0]	304.8 [12.0]
100 REZGD 125–150 REZGC	OPEN UNITS	–					HILTI	4	HDA–P M16X190/40	16.0 [.63]	190 [7.48]	304.8 [12.0]	355.6 [14.0]
	ENCLOSED	–					HILTI	6	HDA–P M16X190/40	16.0 [.63]	190 [7.48]	304.8 [12.0]	304.8 [12.0]
180–200REZXB	OPEN UNITS ONLY	–		2.0	2.0	FOR MTG. HOLES SEE GENSET/ENCLOSURE/ ADVS RESPECTIVELY	HILTI	6	HDA–P M20X250/50	20.0 [.79]	254 [10.0]	762.0 [30.0]	609.6 [24.0]
	ENCLOSED UNITS ONLY						HILTI	8	HDA–P M20X250/50	20.0 [.79]	254 [10.0]	635.0 [25.0]	635.0 [25.0]
250 REZXB/ 300REZXC	OPEN UNITS ONLY	–					HILTI	8	HDA–P M20X250/100	20.0 [.79]	250 [9.84]	228.6 [9.0]	355.6 [14.0]
	ENCLOSED UNITS ONLY						HILTI	8	HDA–P M20X250/100	20.0 [.79]	250 [9.84]	228.6 [9.0]	355.6 [14.0]
300–500REZXD	OPEN UNITS	–		2.0	2.0		HILTI	6	HDA–P	20.0 [.79]	250 [9.84]	228.6 [9.0]	355.6 [14.0]
	ENCLOSED							10	HDA–P	20.0 [.79]	250 [9.84]	228.6 [9.0]	355.6 [14.0]
20–60 REOZJC 50–60 REOZJD	OPEN OR ENCLOSED UNITS	UP THROUGH 908	240	1.93	1.93		HILTI	4	DUC–34–500L	19.05 [.75]	127 [5.0]	215.9 [8.5]	254.0 [10.0]
20–60 REOZJD	OPEN UNITS	–	–	1.93	1.93			4	TZ	15.9 [0.63]	101.6 [4.0]	152.4 [6.0]	152.4 [6.0]
	ENCLOSED							4	TZ	15.9 [0.63]	101.6 [4.0]	203.2 [8.0]	203.2 [8.0]
20–60 REOZJC 50–60 REOZJD 40–50 REOZJE	OPEN OR ENCLOSED UNITS	439/473	116/125	1.93	1.93			8	TZ	19.05 [.75]	120.7 [4.75]	304.8 [12.0]	304.8 [12.0]
		556	147					8	TZ	19.05 [.75]	120.7 [4.75]	355.6 [14]	304.8 [12.0]
		958/886	253/234					6	HDA–P	20.0 [.79]	250 [9.84]	254 [10]	355.6 [14.0]
		1408/1305	372/344					6	HDA–P	20.0 [.79]	250 [9.84]	355.6 [14]	355.6 [14.0]
80–100 REOZJF	OPEN UNITS	SET ONLY NO TANK		1.93	1.93			6	TZ	19.05 [.75]	95.3 [3.75]	152.4 [6.0]	152.4 [6.0]
	ENCLOSED							6	TZ	19.05 [.75]	95.3 [3.75]	203.2 [8.0]	203.2 [8.0]
	OPEN OR ENCLOSED UNITS	815	215				HILTI	16	HY 200 + HAS	19.05 [.75]	254 [10]	228.6 [9.0]	304.8 [12.0]
		1570	415					16	HY 200 + HAS	19.05 [.75]	254 [10.0]	228.6 [9.0]	304.8 [12.0]
125REOZJG 150REOZJF	OPEN UNITS	SET ONLY NO TANK		1.93	1.93			8	TZ	19.05 [.75]	101.6 [4.0]	304.8 [12.0]	203.2 [8.0]
	ENCLOSED							12	TZ	19.05 [.75]	120.7 [4.75]	177.8 [7.0]	203.2 [8.0]
	OPEN OR ENCLOSED UNITS	1196	316			FOR MTG. HOLES		10	HDA–P	20.0 [.79]	250 [9.84]	304.8 [12.0]	355.6 [14.0]
		2252	595					10	HDA–P	20.0 [.79]	250 [9.84]	304.8 [12.0]	355.6 [14.0]
180 REOZJG 200 REOZJF	OPEN UNITS	SET ONLY NO TANK		1.93	1.93			10	TZ	19.05 [.75]	120.7 [4.75]	254 [10]	203.2 [8.0]
	ENCLOSED							10	HY 200 +HAS	19.05 [.75]	203.2 [8]	228.6 [9.0]	279.4 [11.0]
	OPEN OR ENCLOSED UNITS	1576	416					14	HDA–P	20.0 [.79]	250 [9.84]	254 [10]	355.6 [14.0]
		2896	765			FOR MTG. HOLES SEE GENSET/ENCLOSURE/ TANK ADVS RESPECTIVELY		14	HDA–P	20.0 [.79]	250 [9.84]	254 [10]	355.6 [14.0]
230–275 REOZJE	OPEN UNITS	SET ONLY NO TANK		1.93	1.93		HILTI	10	HY 200 + HAS	19.05 [.75]	228.6 [9.0]	228.6 [9.0]	304.8 [12.0]
	ENCLOSED							12	TZ	19.05 [.75]	120.7 [4.75]	304.8 [12.0]	355.6 [14.0]
	OPEN OR ENCLOSED UNITS	2101	555				HILTI	14	HDA–P	20.0 [.79]	250 [9.84]	330.2 [13]	355.6 [14.0]
		3573	944										
300 REOZJ	OPEN UNITS	SET ONLY NO TANK		1.93	1.93		HILTI	10	HY 200 + HAS	19.05 [.75]	228.6 [9.0]	228.6 [9.0]	304.8 [12.0]
	OPEN OR ENCLOSED UNITS							12	TZ	19.05 [.75]	120.7 [4.75]	304.8 [12.0]	355.6 [14.0]
		2101	555					14	HDA–P	20.0 [.79]	250 [9.84]	330.2 [13.0]	355.6 [14.0]
		4066	1074										
350–500 REOZJB	OPEN UNITS	SET ONLY		1.93	1.93		HILTI	10	HY 200 + HAS	19.05 [.75]	304.8 [12.0]	279.4 [11.0]	355.6 [14.0]
	ENCLOSED	NO TANK						14	HY 200 + HAS	19.05 [.75]	381.0 [15.0]	304.8 [12.0]	431.8 [17.0]
	OPEN OR ENCLOSED UNITS	1529–4394 [404–1161]						18 20 22 24	HDA–P	20.0 [.79]	250 [9.84]	330.2 [13.0]	355.6 [14.0]
		5046	1333					24					
		5765	1523										
		6674	1763										
		10008	2644										

REV	DATE	REVISION	BY
L	1–18–19	SEE SHEET 3 [CT193090]	SLR
M	6–9–20	300–500REZXD WAS 300–450REZXB & ITS SPECIFICATIONS	
		UPDATED [CT204358]	MVT
N	04AUG2020	SEE SHEET 3 [CT205825]	DS
P	09SEP2020	(A–8) 20REOZK ROW MOVED TO SHEET 3; SEE SHEET 3	
		[CT206513]	DS
R	30JUL2021	SEE SHEET 3 [CT207231]	SLR

NOTE:
1) SPECIAL INSPECTION PER IBC IS REQUIRED ON ALL INSTALLATIONS. ALL ANCHORS MUST BE INSTALLED TO MEET COMPLIANCE

2) NO OTHER ANCHORS ARE ALLOWED WITHIN MINIMUM SPACING DISTANCE WITHOUT ADVANCED APPROVAL OF THE STRUCTURAL PROJECT ENGINEER OF RECORD.

3) *SEE NOTES ON SHEET 3

4) Z/H=0.0 EQUATES TO AT GRADE
Z/H=1.0 EQUATES TO AT ROOF TOP

METRIC CAD FILE

DIMENSIONS IN [ ] ARE INCH EQUIVALENT

UNLESS OTHERWISE SPECIFIED –
1) DIMENSIONS ARE IN MILLIMETERS
2) TOLERANCES ARE:
X.XX ± 0.25
X.X ± 1.0
X ± 1.5
ANGLES ± 0°30'
SURFACE FINISH MAX.
THIRD ANGLE PROJECTION

APPROVALS		DATE
DRAWN	SAM	9–11–13
CHECKED	AJD	9–12–13
APPROVED	AJD	9–12–13

TITLE: DIMENSION PRINT SEISMIC INSTRUCTION
SCALE | CAD NO. | SHEET 2–4
DWG. NO. ADV–8629 | D
PLOTTED DATE

SEISMIC INSTRUCTION

REV	DATE	REVISION	BY
J	8-1-18	SEE SHEET 3 [PR07342]	KJT
K	11-19-18	SEE SHEET 2 [CT191432]	SLR
L	1-18-19	SEE SHEET 3 [CT193090]	SLR
M	6-9-20	SEE SHEET 2 [CT204358]	MVT
N	04AUG2020	SEE SHEET 3 [CT205825]	DS
P	09SEP2020	SEE SHEET 2 & 3 [CT206513]	DS
R	30JUL2021	SEE SHEET 3 [CT207231]	SLR

SEISMIC INSTALLATION REQUIREMENTS:

The following are requirements for seismic installation:

1. The design of post-installed anchors in concrete used for the component anchorage is pre-qualified for seismic applications in accordance with ACI 355.2 and documented in a report by a reputable testing agency. (ex. The Evaluation Service Report issued by the International code Council)
2. Anchors must be installed to an embedment depth as recommended in the pre-qualification test report as defined in Note 1.
3. Anchors must be installed in minimum 4000 psi compressive strength normal weight concrete. Concrete aggregate must comply with ASTM C33. Installation in structural lightweight concrete is not permitted unless otherwise approved by the structural engineer of record.
4. Anchors must be installed to the torque specification as recommended by the anchor manufacturer to obtain maximum loading
5. Anchors must be installed in the locations specified the Kohler ADV dimension print.
6. Anchor bolt design loads or specific anchors are specified on seismic Kohler ADV.
7. Anchor plates from Kohler must be installed at each anchor location between anchor head and equipment to tension load distribution.
8. Concrete floor slab and concrete housekeeping pads must be designed and rebar reinforced for seismic applications in accordance with ACI 318.
9. All housekeeping pad thickness must be designed in accordance with pre-qualification test report as defined in Note 1 or a minimum of 1.5x the anchor embedment depth, whichever is largest
10. All housekeeping pads must be doweled or cast into the building structural floor slab and designed for seismic application per ACI 318 and as approved by the structural engineer of record
11. Wall mounted equipment must be installed to a rebar reinforced structural concrete wall that is seismically designed and approved by the engineer of record to resist the added seismic loads from the components being anchored to the wall.
12. Floor mounted equipment (with or without housekeeping pad) must be installed to a rebar reinforced structural concrete floor that is seismically designed and approved by the engineer of record to resist the added seismic loads from components being anchored to the floor.
13. When installing to a floor or wall, rebar interference must be considered.
14. Attaching seismic certified equipment to any floor or wall other than those constructed of structural concrete and designed to accept the seismic loads form said equipment is not permitted by this specification and beyond the scope of this certification.
16. Attaching seismic certified equipment to any concrete block walls or cinder block walls is not permitted by this specification and beyond the scope of this certification.
17. For installations upon rooftop, steel dunnage shall be coordinated with the Structural Engineer of Record.
18. Installation upon only rooftop curb shall be coordinated with the curb manufacturer and the Structural Engineer of Record. Any curb or concrete pad that supports the RTU unit is beyond the scope of this certification.
19. Anchor locations, size, type and load requirements are specified on the installation drawing. Mounting requirements details such as brand, type, embedment depth, edge spacing, anchor spacing, concrete strength, wall bracing, and special inspection must be outlined and approved by the project Structural Engineer of Record to withstand the seismic anchor loads as defined on the seismic installation drawing. The installing contractor is responsible for the proper installation of all anchors and mounting hardware, observing the mounting requirement details outlined by the Engineer of Record. Contact Kohler if a detail Seismic Installation Calculation Package is required.
20. Electrical wiring, piping, duct and other connections to the equipment is the responsibility of the installing contractor. It is necessary that these remain in tact, functional and do not inhibit the functionality of the generator set after a seismic event. Adequate slack shall be allowed cable and piping to allow for motions of set during a seismic event.

*21. Concrete pad dimensions are minimum values to satisfy only the anchor bolt requirements. The pad must be designed by the project structural engineer of record.

*22 Anchor bolt and concrete recommendations are for the maximum seismic design levels shown. If the specific application has a lower level, thinner concrete or alternate anchors may be acceptable. Consult Kohler.

METRIC CAD FILE

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2) TOLERANCES ARE:
X.XX ± 0.25
XX ± 1.0
X ± 1.5
ANGLES ± 0°30'
SURFACE FINISH 125 MAX.
THIRD ANGLE PROJECTION

APPROVALS		DATE
DRAWN	SAM	9-11-13
CHECKED	AJD	9-11-13
APPROVED	AJD	9-12-13

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

TITLE: DIMENSION PRINT SEISMIC INSTRUCTION
SCALE | CAD NO. | SHEET 4-4
DWG. NO. ADV-8629 | D
PLOTTED DATE