



35EDGE

Model #395
VSA Item Build #1700

\$46.50
MSRP



MODEL	Edge 35G
LOAD RATING	122.5 lbs
ASSEMBLY WEIGHT	approx. 19.8 lbs
STACKING	10 High
LTL STACKING	9 High
TOTAL QUANTITY (53' TRUCK)	1,160

35EDGE

BUILT FOR TODAY'S COLLECTION NEEDS

Durability increased with "double-pinned" lid attachment

Longevity increased with contoured lid that reduces warp and water entrapment

Molded foot access and large handle make maneuvering easier, even with heavy loads in place

Sanitary, easy-open lift lip

Lasts longer with UV resistant plastic for long-term exposure to sunlight

Corrosion-resistant hardware protects and increases durability

Fully sealed container means no leakage

Unique, contoured body designed for automated lifting equipment



AVAILABLE COLORS

The Edge container is available in eight standard colors. Over 80 custom colors available upon request.



68 - Dark Blue



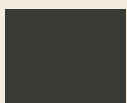
51 - Light Blue



56 - Green



65 - Forest Green



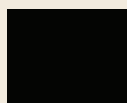
50 - Dark Gray



57 - Light Gray



63 - Brown



60 - Black

YOUR CART YOUR WAY!

Your cart is your billboard; every trash day passersby see your company name. Take the opportunity to stand out from the rest.

At Otto, we work with you to design your carts so you get the most from your investment.

Customize your cart with color logos, lid graphics, or custom color. We can also include serialization, RFID, barcodes, and more.

Make your carts, **Truly Your Carts.**

Contact your Area Sales Manager to explore your options.

Otto/06012023 **Duramax Holdings LLC dba Otto Environmental Systems**
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TEST REPORT

TEST DATE: 23 February 2018

SUBJECT: ANSI Z245.30 – 2008 TESTING

PRODUCT IDENTIFICATION: THE OTTO EDGE – 35 GALLON / 8 INCH WHEELS

TEST: **APPENDIX A –VOLUMETRIC LOADING CAPACITY FOR CARTS**

TEST DESCRIPTION: This test determines the carts load capacity for the body and lid.

TEST PROCEDURE – (Conforms to ANSI Z245.30-2008 – APPENDIX A – TANK METHOD)

1. The cart is placed empty in a tank with sufficient capacity to receive the cart and to permit the cart to be positioned level.
2. The container and cart are simultaneously filled with water at standard temperature city water.
3. The water flowing into the cart is measured by flow meter to an accuracy of $\pm 2\%$ of the cart capacity (± 0.7 gal).
4. Position the lid level and fill with standard temperature water measuring the flow with a flow meter.

TEST RESULTS:

CART S/N 011822165503

Cart Capacity = 35 gallons

Lid Capacity = 1.8 gallons



F. L. Patterson
Consulting Engineer
4915 Sadie's Place
Wingate, NC 29174

3/1/2018
Date

TEST REPORT

TEST DATE: 22 & 23 February 2018

SUBJECT: ANSI Z245.30 – 2008 TESTING

PRODUCT IDENTIFICATION: THE OTTO EDGE – 35 GALLON / 8 INCH WHEELS

TEST: **APPENDIX B – SLOPE STABILITY TEST METHOD FOR CARTS**

TEST DESCRIPTION: This test checks the carts stability on a 5° concrete slope.

MINIMUM PERFORMANCE STANDARD: The cart must stand in any direction – minimum of three different orientations.

TEST PROCEDURE – (Conforms to ANSI Z245.30-2008 – APPENDIX B)

1. The cart is tested in both the empty and loaded conditions. The loaded condition conforms to the ANSI standard = 122.5 pounds with the volume of material occupying at least 70% of the total capacity of the cart. The actual load was 128 pounds.
2. Place the cart on a 5° inclined surface and verify stability by observation.
3. Rotate the cart 180° and re-verify stability.
4. Rotate the cart 90° and re-verify stability.

TEST RESULTS:

CART S/N 011822165500

Test Condition

Loaded

Result

Stable all three orientations.

CART S/N 011822165503

Test Condition

UnLoaded

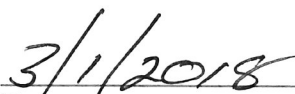
Result

Stable all three orientations.

SUMMARY: The cart **PASSED** the requirements of ANSI Z245.30-2008 APPENDIX B



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Date

TEST REPORT

TEST DATE: 22 & 26 February 2018
SUBJECT: ANSI Z245.30 – 2008 A TESTING
PRODUCT IDENTIFICATION: THE OTTO EDGE – 35 GALLON / 8 INCH WHEELS

TEST: **APPENDIX C - DURABILITY DURING PULLING (CURB TEST)**

TEST DESCRIPTION: This test determines whether the cart's handles, wheels, and axles will withstand the repeated forces experienced during normal 10-year useful life.

MINIMUM PERFORMANCE STANDARD: ANSI Z245.30-2008 APPENDIX C requires that after testing the handles, wheels, axles, their attachments to the container, and the container itself must remain functional.


TEST PROCEDURE: (Conforms to ANSI Z245.30-2008 APPENDIX C):

1. The cart is loaded with a standard load (according to the ANSI standard = 122.5 pounds) with the volume of material occupying at least 70% of the total capacity of the cart. (The actual load was 128 pounds.)
2. Using the cart's handles, the loaded cart is pushed off a curb. The curb height was 5.5 inches. (Actual curb height was 6"). The cart is then repositioned at the top of the curb. The test is repeated for 520 cycles (drops).
3. Using the cart's handles, an unloaded (empty) cart is pulled up a curb. The curb height was 5.5 inches (Actual curb height was 6"). The cart is repositioned at the bottom of the curb. The test is repeated 520 cycles (lifts).
4. The carts are set down onto a concrete surface.
5. The temperature to be normal room temperature (73° degrees F +/- 5).

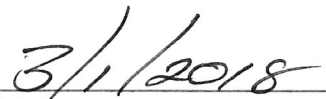
TEST RESULTS: CART S/N 011822165500

<u>Test Condition</u>	<u>Result</u>
Push off of full cart	No significant damage.
Pull up of empty cart	No significant damage

SUMMARY: The cart **PASSED** the requirements of ANSI Z245.30-2008 APPENDIX C



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Date

TEST REPORT

TEST DATE: 22 & 23 February 2018

SUBJECT: ANSI Z245.30 – 2008 TESTING

PRODUCT IDENTIFICATION: THE OTTO EDGE – 35 GALLON / 8 INCH WHEELS

TEST: **APPENDIX D – LOADING AND UNLOADING FOR CARTS**

TEST DESCRIPTION: This test determines that the cart can be safely loaded and unloaded (dumped) using a compatible lifter during a normal 10-year useful life.

MINIMUM PERFORMANCE STANDARD: The ANSI Z245.30-2008 requires that after testing the cart does not suffer any damage or permanent deformation such that it cannot be safely used in accordance with ANSI Z245.30-2008 or that renders the cart incapable of meeting the lifter requirements.

TEST PROCEDURE – (Conforms to ANSI Z245.30-2008 – APPENDIX D)

1. The cart is loaded with a standard load (according to the ANSI standard = 122.5 pounds) with the volume of material occupying at least 70% of the total capacity of the cart. (The actual load was 128 pounds.)
2. *Semi-automated Lifter* - The cart is positioned on a stationary Semi-automated lifter with attachment to the integrated upper attachment envelope. The loaded cart is raised and dumped, then lowered and reloaded. Cycle Time = 8 seconds minimum. The test is repeated for 520 cycles.
3. *Automated Refuse Truck – Side Grabber* – The cart is positioned on a normal ground level concrete surface. Using the normal truck mechanism, the truck operator engages, lifts, lowers, and releases the container. The test is repeated for 520 cycles.

TEST RESULTS: CART S/N 011822165502 Semi-automated
CART S/N 011822165504 Automated

SUMMARY: The carts tested **PASSED** the requirements of ANSI Z245.30-2008 APPENDIX D.



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3/1/2018
Date

TEST REPORT

TEST DATE: 23 February 2018

SUBJECT: ANSI Z245.30 – 2008 TESTING

PRODUCT IDENTIFICATION: THE OTTO EDGE – 35 GALLON / 8 INCH WHEELS

TEST: **APPENDIX E – CENTER-OF-BALANCE POSITION FOR CARTS**

PERFORMANCE STANDARD: The center of the cart handle at the center-of-balance point must be 29 inches to 40 inches from the ground plane.

TEST DESCRIPTION: This test determines the height of the handle of a two-wheeled cart at the center-of-balance position.

TEST PROCEDURE – (Conforms to ANSI Z245.30-2008 – APPENDIX E)

1. The cart is loaded with a standard load (according to the ANSI standard = 122.5 pounds) with the volume of material occupying at least 70% of the total capacity of the cart. (The actual load was 128 pounds.)
2. The cart is placed on a hard, flat surface.
3. The cart wheels are blocked to prevent movement.
4. The cart is tipped on the wheels to its natural balance point.
5. The distance from the ground to the center of the cart handle is measured to an accuracy of ± 0.25 inches.

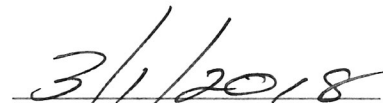
TEST RESULTS:

CART S/N 011822165500

The center of the cart handle at the center-of-balance = 32.875"

SUMMARY: The cart **PASSED** the requirements of ANSI Z245.30-2008 APPENDIX E.


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Date

TEST REPORT

TEST DATE: 23 February 2018

SUBJECT: ANSI Z245.30 – 2008 TESTING

PRODUCT IDENTIFICATION: THE OTTO EDGE – 35 GALLON / 8 INCH WHEELS

TEST: **APPENDIX F – FORCE TO TIP TEST FOR CARTS**

PERFORMANCE STANDARD: The tipping force is to be a maximum of 120 pounds.

TEST DESCRIPTION: This test determines the tipping force of a two-wheeled cart on a level surface.

TEST PROCEDURE – (Conforms to ANSI Z245.30-2008 – APPENDIX F)

1. The cart is loaded with a standard load (according to the ANSI standard = 122.5 pounds) with the volume of material occupying at least 70% of the total capacity of the cart. (The actual load was 128 pounds.)
2. The cart is placed on a hard, flat surface.
3. The cart wheels are blocked to prevent movement.
4. The cart handle is attached to a digital force gage set to record the maximum force applied capable of measuring the force to $\pm 3\%$ of the measured value.
5. Horizontal force is applied to bring the cart to its balance point.

TEST RESULTS:

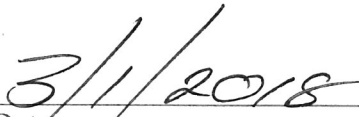
CART S/N 011822165500

The tipping force = 20.3 pounds

SUMMARY: The cart **PASSED** the requirements of ANSI Z245.30-2008 APPENDIX F.



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Date

TEST REPORT

TEST DATE: 23 February 2018

SUBJECT: ANSI Z245.30 – 2008 TESTING

PRODUCT IDENTIFICATION: THE OTTO EDGE – 35 GALLON / 8 INCH WHEELS

TEST: **APPENDIX G – LID TEST FOR CARTS**

PERFORMANCE STANDARD: The cart lid must not collapse and fall into the container.

TEST DESCRIPTION: This test determines the resistance of the cart lid to a specified load.

TEST PROCEDURE – (Conforms to ANSI Z245.30-2008 – APPENDIX G)

1. The empty cart is placed on a level surface with the lid closed.
2. A load of 80 pounds is placed in the center of the lid on a round area 8 inches in diameter at room temperature.
3. The load is maintained cart for 15 minutes.

TEST RESULTS:

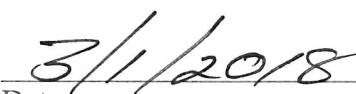
CART S/N 011822165503

No significant lid distortion – lid maintained its position without falling into the cart.

SUMMARY: The cart **PASSED** the requirements of ANSI Z245.30-2008 APPENDIX G.



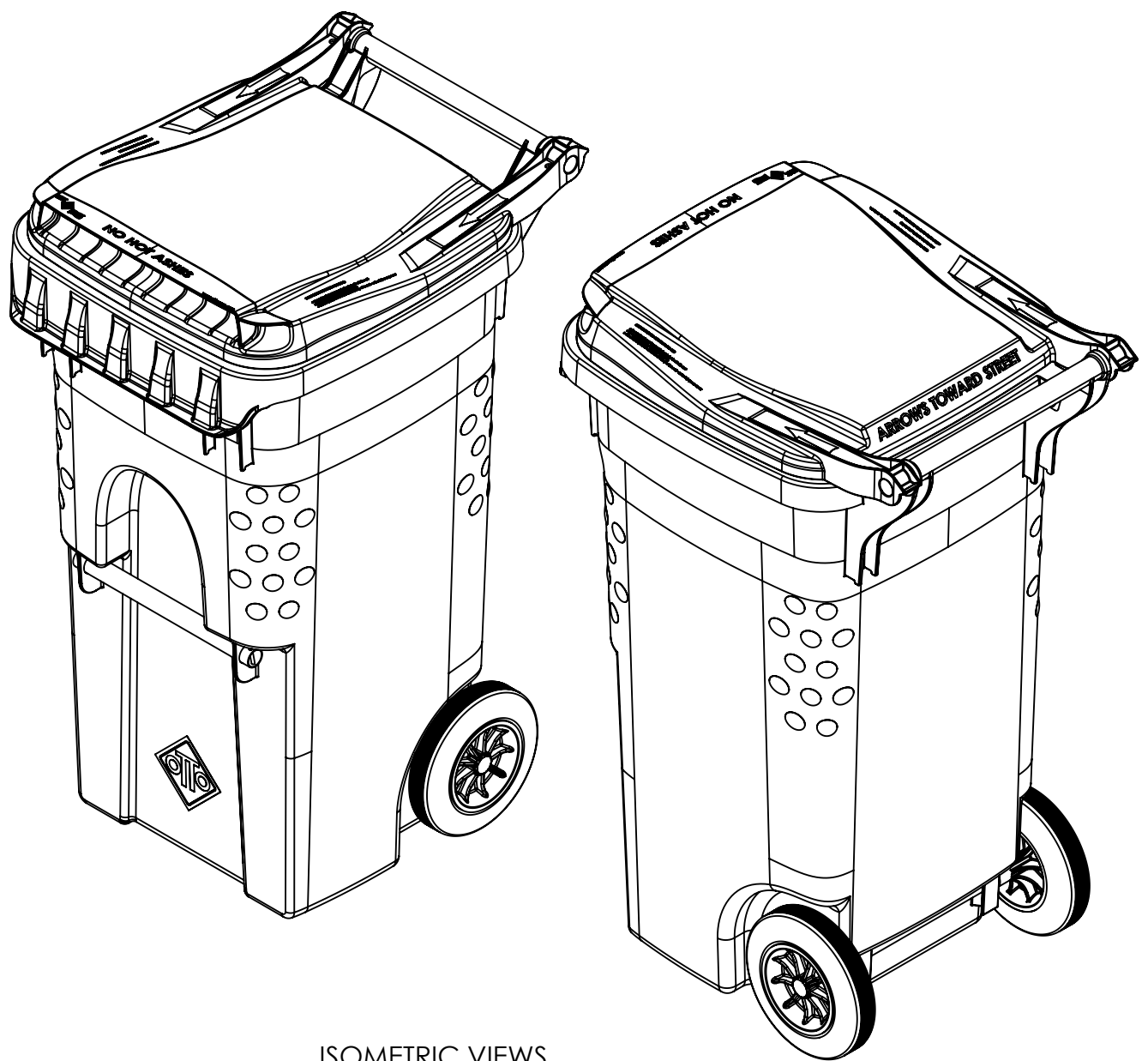
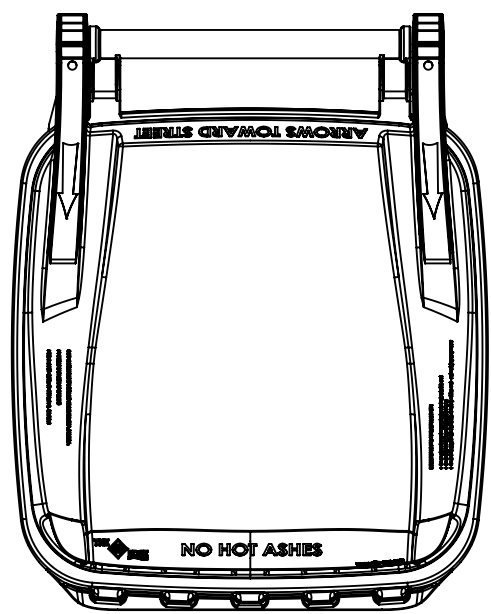
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Date

REVISIONS

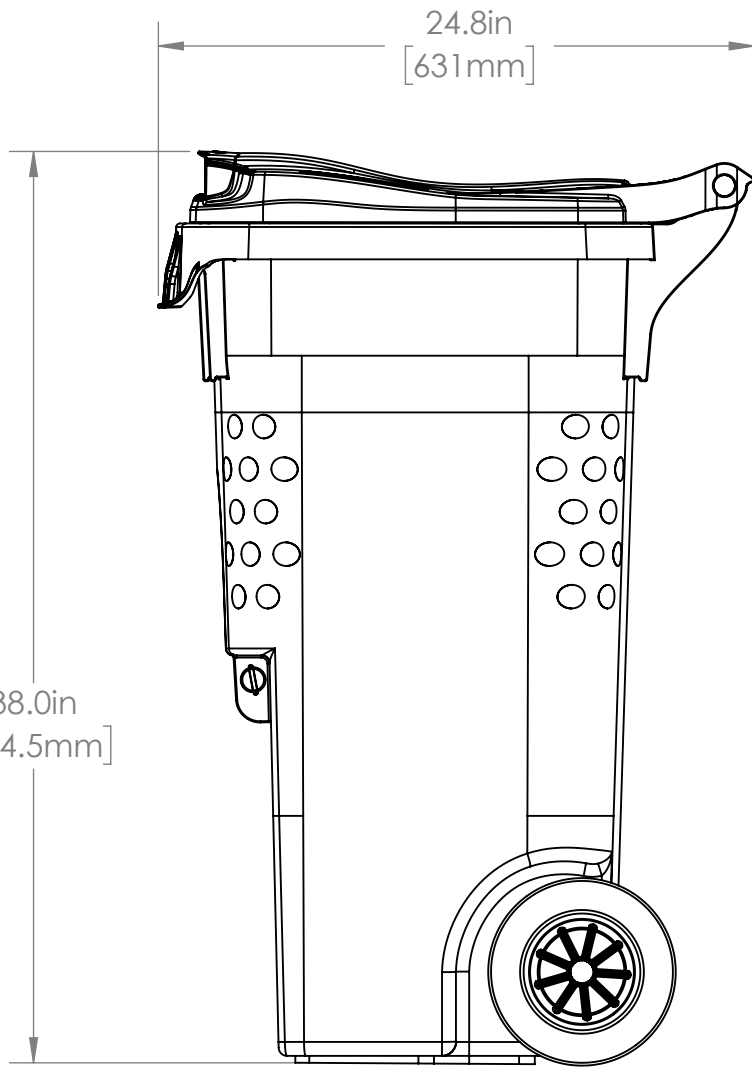
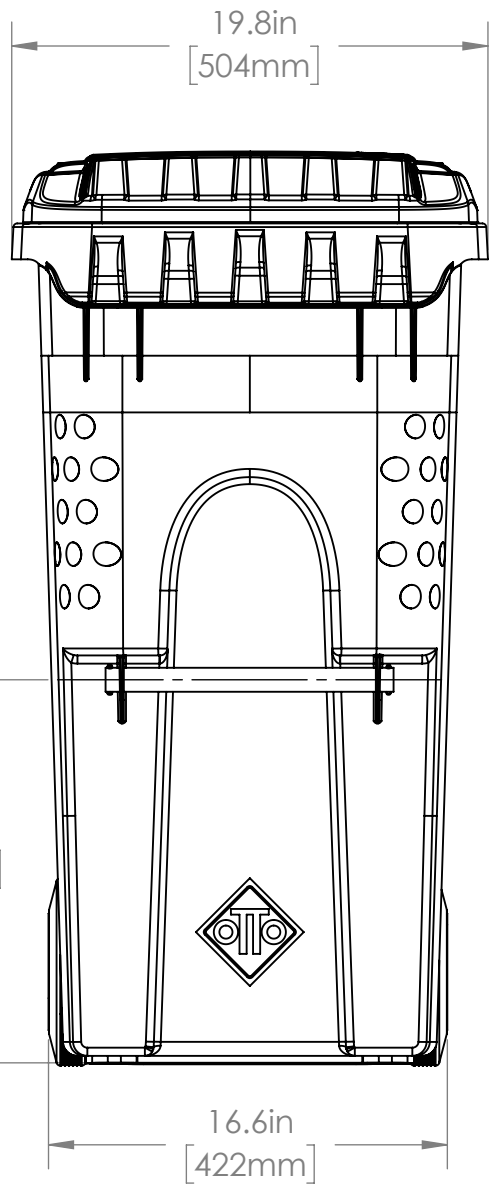
ZONE	REV.	DESCRIPTION	DATE	APPROVED



ISOMETRIC VIEWS

D
C
B
A

D
C
B
A



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UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
X.X ± 0.020
X.XX ± 0.010
X.XXX ± 0.005
Angles ± 0.5°
VENDOR:
MATERIAL:
FINISH:
DO NOT SCALE DRAWING

DATE: 3/10/2017
CREATED BY: MAB
CHECKED BY:

PART / ASSEMBLY NAME:
DESCRIPTION:
35 GALLON EDGE ASSEMBLY
SIZE: B
PART NUMBER:
REV:
SCALE: 1:8 WEIGHT: lbs SHEET 1 OF 1

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1