

MERRITT ULTRA

The Merritt Ultra (formerly SV1C) consists of a rigid, heavy duty construction and oversized consoles to house a multitude of joysticks, controllers, and pilot devices. The heavy duty operator chair system also features a range of manual seat adjustments for positioning flexibility.

SPECIFICATIONS

GENERAL DATA

Unique Features	<ul style="list-style-type: none"> - Highly rugged design - Oversized consoles for large number of devices
Console Width	9", 12.5", 13.5" or 15" Forward sloping consoles also available in 13.5" and 15" sizes
Max Number of Devices	<p><i>9" Console</i> Up to 13 devices and 1 joystick</p> <p><i>12.5" Console</i> Up to 24 devices and 1 joystick or 22 devices and 2 (1-axis) joysticks</p> <p><i>13.5" Console</i> Up to 27 devices and 1 joystick or 23 devices and 2 joysticks</p> <p><i>15" Console</i> Up to 33 devices and 1 joystick or 31 devices and 2 joysticks</p>
Seat Options	<p>Actimo Seat (Velour or Vinyl)</p> <p><i>Options</i></p> <ul style="list-style-type: none"> - Armrests with tilt and height adjustments - 2-point retractable seat belt - 4-point shoulder harness - Operator presence switch

Suspension Options	<i>Mechanical Suspensions</i>
	<ul style="list-style-type: none"> - 3 Step (weight up to 285 lbs) - Heavy Duty (weight up to 400 lbs)
	<i>Pneumatic (Air) Suspensions</i>
	<ul style="list-style-type: none"> - Standard (weight up to 330 lbs) - Wide (weight up to 375 lbs) - Heavy Duty (weight up to 485 lbs)

Armrest Type	Console mounted armrests with height adjustment.
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Footrest Option	<ul style="list-style-type: none"> - 2-piece fixed footrest - 1-piece (platform-style) fixed footrest
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Est. Shipping Weight	490 lbs.
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Est. Shipping Dimensions	60 in. x 45 in. x 52 in.
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ADJUSTMENT FEATURES

System Rotation	Optional, up to 270 degrees
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System Height	✓
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System Tilt	✗
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Consoles Slide Forward/Backward	Optional
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Consoles Tilt	✗
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Consoles - Slew In/Out	✗
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Armrests - Height	✓
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Armrests - Tilt	✗
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Armrests - Slide Forward / Backward	✖
Seat - Slide Forward / Backward	✔
Seat - Recline	✔
Seat - Lumbar	✔
Footrest - Height / Tilt	✖

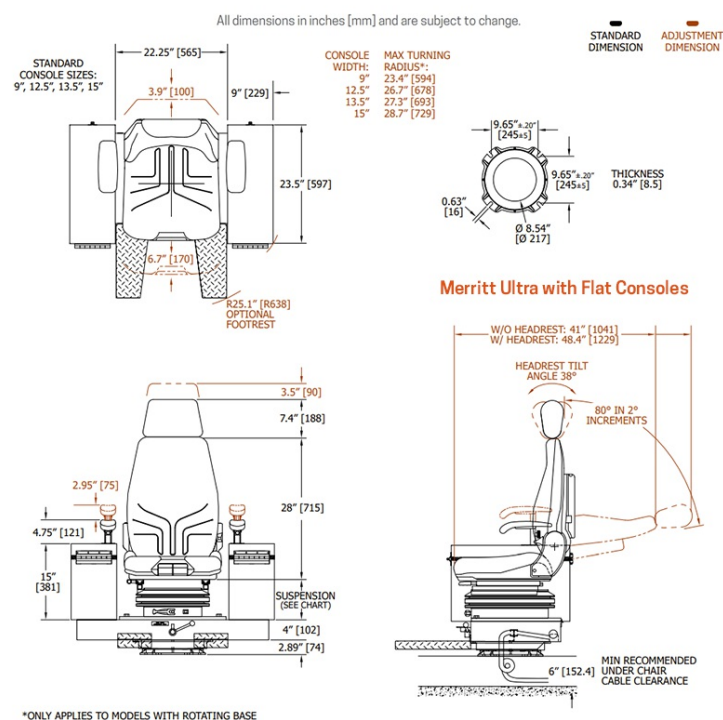
TECHNICAL DATA

	270 degrees max with pin lock or friction brake
Rotation Optional	<i>Pin Lock</i> 4 locking positions (every 90 degrees). Positions can be customized to your specifications.
	<i>Friction Brake</i> System holds throughout +/- 135 degrees of travel.
	<i>System with 9" Consoles</i> 23.4" [594 mm]
	<i>System with 12.5" Consoles</i> 26.7" [678 mm]
Max Turning Radius	<i>System with 13.5" Consoles</i> 27.3" [693 mm]
	<i>System with 13.5" Forward Sloped Consoles</i> 28.1" [715 mm]
	<i>System with 15" Consoles</i> 28.7" [729 mm]
	<i>System with 15" Forward Sloped Consoles</i> 29.5" [748 mm]

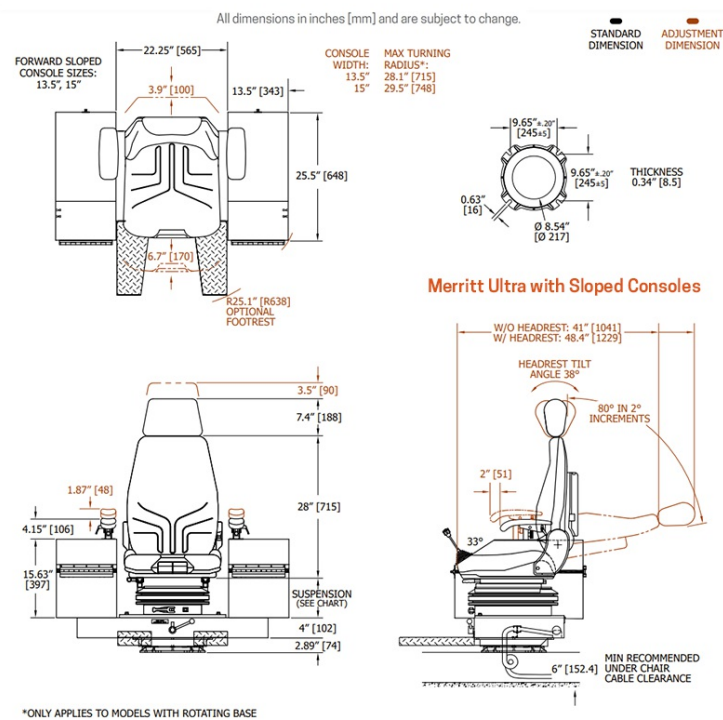
Slide Range	8" [203 mm] single seat slide range 16" [406 mm] dual seat slide range (optional)
Armrest Adjust Range	Height: 3.5" [75 mm]
Console Adjust Range	8" [203 mm] console slide range (optional)
Backrest Recline	<i>Actimo Seat</i> 80 degrees 46 degrees with 4-point shoulder harness
Seat Cushion Adjust Range	<i>Actimo Seat</i> Depth: 2.4" [60 mm] in 5 increments forward Tilt: 3-11 degrees in 4 increments
Headrest Adjust Range	<i>Actimo Seat</i> Height adjustment: 3.5" [90mm] Tilt: 38 degrees
Under Chair Cable Clearance	6" [152.4 mm] Min
Additional Specifications	Reference product literature for additional specifications and options

Technical Drawings

Dimensional



Flat console model dimensions



Sloped console model dimensions

LEFT CONSOLE
SHOWN WITH 2-AXIS JOYSTICK

SHOWN WITH 2-AXIS JOYSTICK

A/B AXIS CONTACTS & ACCESSORIES*

C/D AXIS CONTACTS & ACCESSORIES*

L8, L7, L10, L9, L12, L11, L14, L13, L16, L15, L18, L17

23.5" [596.9]

9" [228.6]

SHOWN WITH 1-AXIS CONTROLLER

A/B AXIS CONTACTS & ACCESSORIES*

R4, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18

23.5" [596.9]

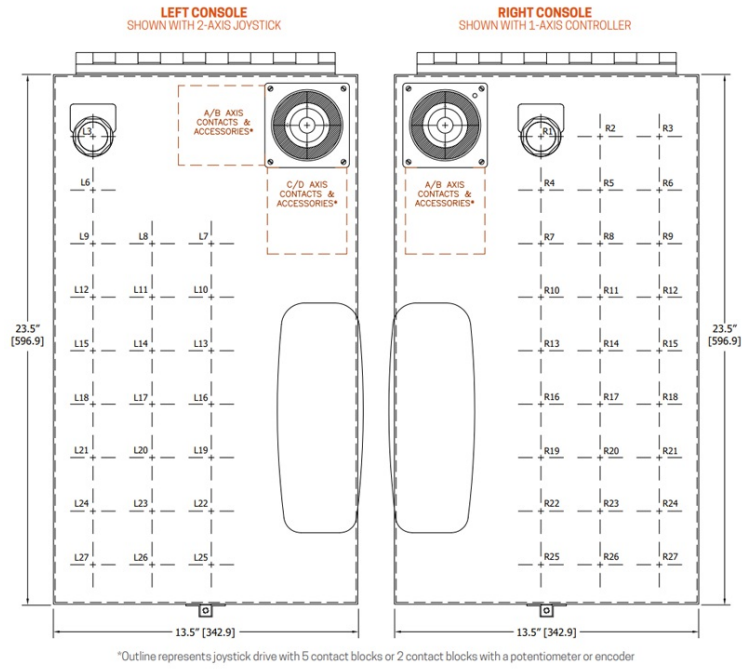
9" [228.6]

9 inch console standard layout

The diagram illustrates the internal layout of two consoles. The **Left Console** is designed for a 2-axis joystick, featuring a joystick at the top left (L3), a 3.5-inch floppy disk drive at the top right (C/D Axis Contacts & Accessories*), and a 5.25-inch floppy disk drive in the center (A/B Axis Contacts & Accessories*). The **Right Console** is designed for a 1-axis controller, featuring a controller at the top left (A/B Axis Contacts & Accessories*), a 3.5-inch floppy disk drive at the top right (R3), and a 5.25-inch floppy disk drive in the center (C/D Axis Contacts & Accessories*). Both consoles have a grid of 24 internal components labeled L1 through L27 and R1 through R27. The overall dimensions are 23.5 inches (596.9 mm) in height and 12.5 inches (317.5 mm) in width.

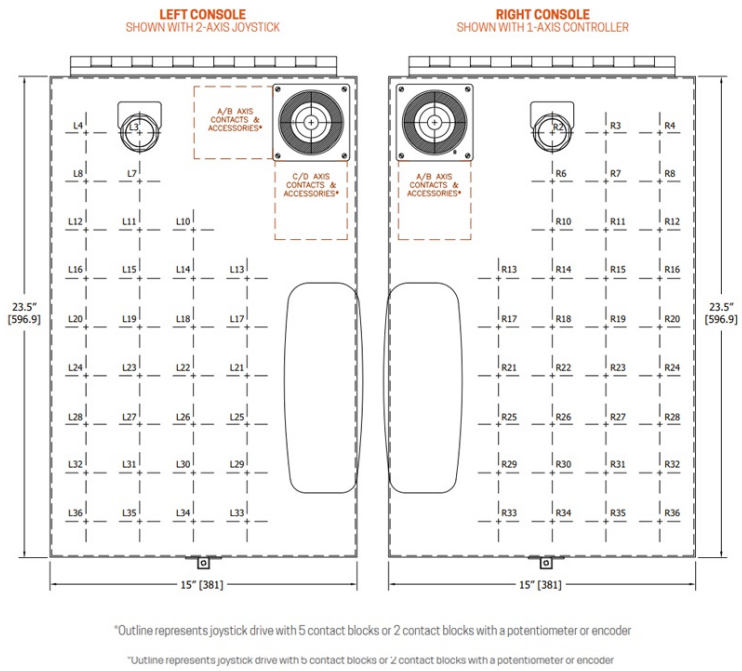
12.5 inch console standard layout

All dimensions in inches [mm] and are subject to change.



13.5 inch console standard layout

All dimensions in inches [mm] and are subject to change.



15 inch console standard layout