

# CE-300 Specifications

## UPDATED:

- April 4, 2018

## WOOD TYPE:

- American Black Walnut – Certain other species available on request

## FINISH:

- A Walnut tinted oil finish is applied for durability and to even out the natural color tones.

## Dimensions:

- Base - 30" (76cm) wide x 30" (76cm) deep
- Height in closed position – 87" (220cm) with typical 3.5" casters
- Overall Height - 162" (411cm) Painting tray cranked up all the way & all frames fully extended.
- Lowest point of painting tray – 17.625" (45cm) from the floor.
- Maximum height capacity of painting – 104" (264cm) \*this can be increased on request
- Minimum painting height capacity in main clamping frame – 54.375 (138cm) A painting less than this can be secured by inserting an auxiliary stay in the center track of sliding frame.
- Maximum painting height in auxiliary mode is 48.375" (123cm)
- Auxiliary stays come standard in two standard depths, 2" and 3" and are 6.625" wide. Custom depths and widths are available upon request.
- The upper & lower painting trays are 3" deep (8cm) Custom depths available upon request. Tray extensions are also available – see options

## Construction Features:

- The main frame uprights or center posts, are notched into the outer runners of the base and bolted through for a secure connection. Conceivably, the entire working assembly of the easel could be taken off the base and fitted into a much smaller crate for shipping - typically, when shipped from our facility, it comes fully assembled.
- The base itself, the cranking frame and the sliding frames all feature mortise & tenon joinery.
- The tongue and groove tracks on the sliding frames are precisely milled and then waxed to insure smooth operation.

## Mechanical:

- Height adjustments are made by turning the crank handle engaging a 3-1 gear ratio assembly that is connected to a .75" Acme threaded rod. This allows smooth, effortless turning with efficient results. The crank handle can be easily removed via a ratchet style ball-socket connection.

- Although the CE-300 does not typically come with a tilt feature, it can be added – see options
- The painting clamping frame is raised or lowered via a rope and pulley system. The 3/16” diameter rope is black, low stretch blended nylon. The addition of a cam cleat on the underside of the tray allows the clamping frame to be locked in the raised position until the painting is in place on the easel. Once the painting is staged, the frame can be safely lowered to secure the painting.  
\*We recommend that the rope always be tied off to the rope cleat during this operation.
- Casters – sturdy Colsen casters provide stability at all times. The 3.5” soft gray non-marring rubber tires are smooth rolling & wear resistant. The Total-Lock brakes fix the rolling movement and also the swivel movement as well. The large brake flange is very “foot friendly” and also easily worked by hand.

#### HARDWARE:

- The visible hardware is a mixture of solid brass, stainless steel, and black oxidized or painted steel. The choices we have made regarding our selection are a function of the particular use and also the availability. Some parts are custom made to our specifications, others are purchased through our vendor network. All efforts have been made to harmonize the use of these various metals so the overall appearance is pleasing to the eye. In some cases, different finishes can be substituted, so if there is an overall look you are trying to achieve, please feel free to discuss it with us and we’ll see what can be done.

#### Options:

- Side Handles – 6” brass handles mounted on both sides of the main upright frames make it easy to pull or push the easel, especially when a painting that is much wider than the easel is mounted.
- Leveling Screw – If you have a floor condition that is extremely out of level, you may consider this option. Mounted on the back-left corner of the base assembly, a large bronze screw is threaded through the runner onto a stem on the caster. By turning the screw, it compensates for irregularities in the floor and also stabilizes the easel.
- Tray extensions – Usually ordered at 6” deep, they are bolted onto the upper & lower painting trays so that paintings with deep frames can be easily mounted. Each upper or lower extension consists of three parts:
  1. Spacer – used to get the tray extension above the bottom nosing of the fixed painting tray. It is bolted thru the fixed tray & fastened with knurled nuts that do not require tools to secure. It can be used on its own as a painting tray when a lip is not required, which is especially useful for close to the edge work.
  2. Tray extensions – bolted on after the spacers are in place - also secured with knurled nuts.
  3. Nosing – fastened to the tray extensions with screws that can be removed if desired for close to the edge work.

The tray extensions can be added to any of our existing easels if the holes have been drilled in the trays. For older models not pre-drilled, it is quite easy to drill the four holes required. If tray extensions are ordered it is a good idea to order an auxiliary stay in the same depth. A drawing of the entire assembly is available upon request.

- Double or triple track sliding frames – the sliding frame is where the auxiliary stays are mounted for securing smaller paintings. If you work on a lot of small paintings or small painting that have irregular shapes, we can make this frame with extra vertical tracks making it possible to insert stays side by side. For more information, please inquire.
- Double Sided Version – The CE-300 can be ordered as a double-sided model, with the exact same features on both the front and the back. You can also order one side with a tilt feature and the other side without. This is a great space-saving feature for smaller studios where you can be working on two paintings in the same space as one. It is also considerably less of an investment than buying two single sided models.
- Tilt Feature – A tilt feature can be added so that the painting frame can be adjusted outwards by 5 degrees allowing the conservator or painter to adjust for changing light conditions or to reduce hand or arm strain. Some height capacity specifications will be altered by this inclusion. More details upon request.
- Customization – if you need a feature that you do not see included, perhaps we can create a custom version for you. Also, many of the typical height or depth dimensions can be altered, sometimes for little or no cost depending on the desired alteration.