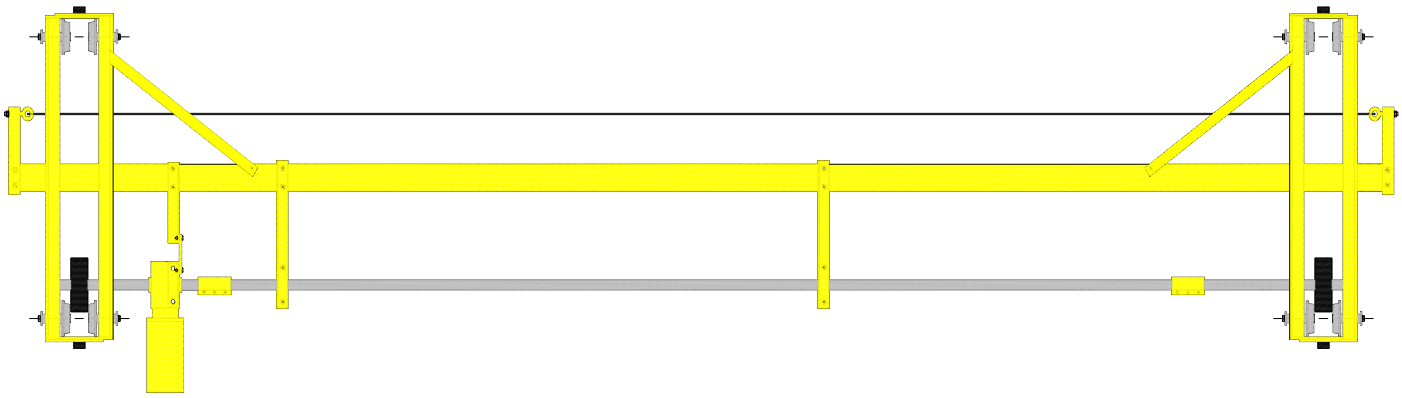
CRANE SPECIFICATIONS - 4036 Series

Spans to 30’ ¼ to 3-Ton Capacity

1/12/11



1. CraneVeyor 4036 cranes are designed for Class A, B or C service, and are available for motorized, hand geared and push pull operation. Heavier duty and severe area cranes are available on application.

2. Wheels are (1040) steel single flanged. Wheels are equipped with two (2) sealed lifetime lubricated ball bearings, designed for the radial and thrust loads. Wheels are 4½” diameter with tapered treads to run on S shapes (I-beams) or 4 ¼” flat tread wheels for W shapes (Wide flange beams) and special tracks. (Advise beam size and type).

3. End trucks are fixed axle type. Standard trucks operate on minimum 8” depth x 3¼” flange width beams through maximum 8” flange width. A unique split truck design is provided for simple and easy installation. Operation on larger flange widths is available on application. Wheelbase is 3’-6”. Rubber bumper and safety lugs are included.

4. Maximum girder deflection is 1/600. Design guidelines follow CMAA Specification No. 74. Horizontal knee braces to truck ends are provided for extra rigidity on motor driven cranes.

5. Standard motorized bridge speed is 60 or 90 FPM, with 2 speed adjustable frequency control. Optional speeds are 40, 80 and 120 FPM, with other speeds available on applications.

6. End truck drive wheels are 8” diameter, rubber tire with 3” traction surface for positive/quiet operation. Drive wheels are keyed to stub shafts at each end truck and connected to a drive shaft using Al-Torque couplings for a direct drive requiring no exposed gearing. The stub and drive shafting is supported from adjustable precision, lifetime lubricated, ball bearing units. A hollow shaft worm gear reducer that is keyed to the shaft and torque arm mounted. The worm gearing provides non-free coasting braking.

7. Bridge motors are squirrel cage induction type TEFC, continuous duty NEMA design B, low slip, suitable for inverter use. Motors are designed for operation in -5° to + 40° C ambient temperature with Class B insulation. For operation in high ambient temperatures or severe environment areas, special motors and insulation, can be provided. Motors are NEMA C flange type for easy replacement.

8. A manual disconnect is provided between the runway conductors and the control. The disconnect is fused if multiple cranes are on the runway. Adjustable frequency drive motor control is provided with dynamic braking, motor overload/over current protection, magnetic mainline contactor, branch circuit fusing, and 115V control transformer as standard in a NEMA 3R enclosure. The AFD control is provided for single, 2-speed and 2-step infinite control, and offers programmable acceleration and deceleration, and other advanced features. Other controls and enclosures are available on application. Controls are suitable for 208/230/460-3-60 power. Specify the power requirements.

9. Bridge conductors on motor driven cranes are festooned flat cable with trolleys from C track. Bridge conductors for electric hoists on push-pull and hand geared cranes will be festooned stretched wire tagline type.

10. Pendent push button control from hoist/trolley is furnished when crane is ordered complete with hoist. As options, an independent traveling C track/flat cable pendent system or a radio remote control are available.

11. The bridge steel structure is blast cleaned and provided a primer and a finish safety yellow top coat. Other painting systems are available on application.

12. Available options include-air operation; spark proof; hazardous or corrosive environments.

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