



End Trucks Features & Comparisons

Feature	ACI	ACE	Harrington	Yale
Rail Size (ASCE)	Recommended rail sizes are ASCE 25-60 lbs (depending on Capacity).	Recommended Rail sizes are ASCE 40 lbs through 8" wheel and 60-85 lbs on 10" wheel	Recommended rail sizes are ASCE 30-60.	Recommended rail sizes are ASCE 20 - 45 lbs.
Axles	Fixed axles bores are lined in one setup ensuring perfect wheel alignment. Axles are machined from carbon steel.	Rotating & Fixed axles.	Similar to ACI.	Similar to ACI.
Wheel Bearings	Sealed life-time lubricated precision ball bearings.	Similar to ACI.	Similar to ACI	Similar to ACI.
Brakes Type	Externally adjustable D.C. brakes allow controlled deceleration -- adjustable up to 50% of rated motor torque.	Optional A.C. disc brakes.	Similar to ACI.	Disc brakes are optional.
Bumpers	High impact rubber bumpers are provided as standard.	Similar to ACI.	Similar to ACI.	Bumpers are optional.
Control Panel	Includes mainline contactor, 115V control circuit transformer, bridge fusing and reversing contactor in a NEMA 1 enclosure. NEMA 4/12 panels are also available as an option. 150V Transformer for hoist trolley and bridge control .	Similar to ACI.	Similar to ACI.	Similar to ACI.
Variable Drive	Optional to add Variable Frequency Drive.	Similar to ACI.	Not Available.	Similar to ACI.
Construction Type	Channel fabrication provides superior strength, rigidity and structural integrity.	ASTM A500 structural tube.	ASTM A500 structural tube.	Similar to ACI.

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CMAA	Class D. Loads approaching 50 percent of the rated capacity will be handled constantly during the working period. High speeds are desirable for this type of service with 10 to 20 lifts per hour averaging 15 feet.	Class C. In this type of service, the crane will handle loads that average 50% of the rated capacity with 5 to 10 lifts per hour averaging 15 feet.	Class C.	Class C.
Disconnect Switch	Thru the door disconnect rated by NEC 610.32 for added safety.	Through the door 40 AMP disconnect. 30 amp line contactor.		Fused disconnect box has 30 amp disconnect. 30 amp line contactor.
Acceleration Control	Mechanical soft start is standard on slow motors. It checks the initial rush of current to the motor, and allows smooth acceleration from start to full rated speed.	Not Available.	Drives and brakes are compatible with EAC.	It is optional.
Motor	Drive motors are 30 min. rated TENV with class "F" insulation.	Drive motors are 60 min. rated TENV with class "H" insulation.	Similar to ACI.	Similar to ACI.
Rail Sweeps	Rail sweeps and drop stops are standard.	Similar to ACI.	Similar to ACI.	Similar to ACI.
Drives	230/460 volt application, 3 phase, 60 Hz.	Similar to ACI.	Similar to ACI.	Similar to ACI.
Wheels	Double flanged, steel hardened to 350 BHN.	Forged steel hardened to 320 BHN.	Hardened wheels are optional.	Ductile iron hardened to 220 BHN.