

CMAA CLASSIFICATIONS AS PER SPEC #70 REVISED 2009

American Crane & Equipment Corporation is recognized as a leading supplier of Industrial Cranes. American Crane's Industrial Cranes are installed at many locations throughout the world, handling a wide variety of materials.

All American Crane & Equipment Corporation cranes are manufactured to rigid quality standards and factory tested prior to shipment. American Crane's pre-engineered industrial cranes are designed to meet the requirement of the Crane Manufacturers Association of America (CMAA) in duty class "A" through "F".

American Crane can provide pre-engineered industrial cranes and a full line of custom cranes to meet each customer's specific application. For support for your specific application please consult the Crane Buyers Guide and/or contact an American Crane sales representative.

CLASS A (STANDBY OR INFREQUENT SERVICE)

This service class covers cranes where precise handling of equipment at slow speeds with long, idle periods between lifts is required. Capacity loads may be handled for initial installation of equipment and for infrequent maintenance.

Class A may be used in installations such as:

- Powerhouses
- Public Utilities
- Turbine Rooms
- Motor Rooms
- Transformer Stations

CLASS B (LIGHT SERVICE)

This service covers cranes which loads may vary from no load to occasional full rated loads with 2 to 5 lifts per hour, averaging 10 feet per lift.

Class B cranes may be used in:

- Repair Shops
- Light Assembly Operations
- Service Buildings
- Light Warehousing
- Where Service Requirements are Light and the Speed is Low.

CLASS C (MODERATE SERVICE)

This service covers cranes where service requirements are moderate. In this type of service the crane will handle loads which average 50 percent of the capacity with 5 to 10 lifts per hour, averaging 15 feet, not over 50 percent of the lift at rated capacity.

Class C cranes may be used in:

- Machine Shops
- Paper Mill Machine Rooms
- Etc.

CLASS D (HEAVY SERVICE)

This service covers cranes where 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, not over 65 percent of the lifts at rated capacity.

Class D cranes may be used in:

- Heavy Machine Shops
- Foundries
- Fabricating Plants
- Steel Warehouses
- Container Yards
- Lumber Mills
- Standard Duty Bucket and Magnet Operations where heavy duty production is required. In

this type of service,

CLASS E (SEVERE SERVICE)

This type of service requires a crane capable of handling loads approaching a rated capacity throughout its life.

Applications may include:

- Magnet
- Bucket
- Magnet/Bucket Combination Cranes for Scrap Yards
- Cement Mills
- Lumber Mills
- Fertilizer Plants
- Container handling with 20 or more lifts per hour at or near the rated capacity.

CLASS F (CONTINUOUS SEVERE SERVICE)

This type of service requires a crane capable of handling loads approaching rated capacity continuously under severe service conditions throughout its life. These cranes must provide the highest reliability with special attention to ease of maintenance features.

Applications may include:

- Custom Designed Specialty Cranes Essential to Performing the Critical Work Tasks Affecting the Total Production Facility.

For additional information see CMAA specification #70, REVISED 2009 or consult factory.

Pre-engineered Industrial Cranes can be customized with many options and features. These engineered cranes are suitable for most industrial applications.

American Crane & Equipment Corporation can design to meet your specific application please consult our custom sales department.