

CRANE COMPONENTS INQUIRY SHEET



PRODUCT: CRANE SYSTEM END TRUCKS BRIDGE TRACTORS
QUANTITY: _____ **RATED CAPACITY:** _____ TONS
POWER VOLTAGE: _____ **ENVIRONMENT:** INDOOR OUTDOOR **AMB TEMP** _____ F

BRIDGE INFORMATION

CRANE TYPE:

TOP RUNNING UNDER-RUNNING

SINGLE GIRDER DOUBLE GIRDER

SPAN OF CRANE: _____ FT

LENGTH OF RUNWAYS _____ FT

END TRUCK WHEEL BASE _____ FT

APPROX. BRIDGE SPEED _____ FPM

TYPE of CONTROLS:

SINGLE SPEED TWO SPEED by VFD NO CONTROLS

ELECTRIFICATION TYPE (BRIDGE/RUNWAY):

FLAT CABLE FESTOON TAGLINE CABLE REEL

CONDUCTOR – COLLECTOR SYSTEM

COMMON OPTIONS:

TRAVELLS FESTOONED PENDANT MAIN LINE CONTACTOR TROLLEY BRAKE RADIO

MANUAL DISCONNECT OTHER _____

PERFORMANCE REQUIREMENT

AVERAGE LIFT _____ LBS

NUMBER OF BRIDGE MOVEMENTS/HOUR _____

WORK PERIOD HOURS/DAY _____

CRANE DUTY SERVICE CLASSIFICATION CLASS _____

Furnish Complete Information regarding any abnormal conditions
(Environment/Duty/Load Handling):

CRANE DUTY SERVICE CLASSIFICATIONS

CLASS A (STANDBY OR INFREQUENT SERVICE)

This service class covers cranes which may be used in installations such as power houses, public utilities, turbine rooms, motor rooms and transformer stations where precise handling of equipment at slow speed with long, idle periods between lifts are required and for infrequent maintenance.

CLASS B (LIGHT SERVICE)

This service covers cranes which may be used in repair shops, light assembly operations, service buildings, light warehousing, etc. where service requirements are light and the speed is slow. Loads may vary from no load to occasional full rated loads with two to five lifts per hour, averaging ten feet per lift.

CLASS C (MODERATE SERVICE)

This service covers cranes which may be used in machine shops or paper mill machine rooms, etc. where service requirements are moderate. In this type of service the crane will handle loads which average 50 percent of the rated capacity with 5 to 10 lifts per hour, averaging 15 feet, not over 50 percent of the lifts at rated capacity.

CLASS D (HEAVY SERVICE)

This service covers cranes which may be used in heavy machine shops, foundries, fabricating plants, steel warehouses, container yards, lumber mills, etc., and standard duty bucket and magnet operations where heavy duty production is required. In this type of service, 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% of the lifts at rated capacity.

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, etc., with twenty or more lifts per hour at or near the rated capacity.