

ABSTRACT

TWIN LIFTING MACHINERY FOR TWO 40 FEET CONTAINER SHORE CRANE

A twin lifting machinery for two 40 feet container shore crane is disclosed, comprising motors, high speed shaft brakes, two reducers, a plurality of multiple-project rope reels, and a plurality of reel brakes; wherein at least two motors and two reducers are provided; the input shafts of said two reducers connect to one of the output shafts of the motors respectively, and the output shafts of each reducer connect to the reels, the reel brakes are provided on each reel respectively. The synchronous operation or individual operation of two sets of lifting machineries under electrical control can be carried out, achieving the lifting and lowering operation of two hanger tools of sea side and land side. The twin lifting machinery thus can carry out both the synchronous operation of two hanger tools and the individual operation of a single hanger tool, increasing the loading and unloading efficiency of the container crane by more than 60%.