

ARIZONA COURTLINES, INC. SPECIFICATIONS

DC-TR (ACI MODEL #) DIVIDER CURTAIN - TOP ROLL

DRIVE SYSTEM

The drive system consists of a electric winch, drive shaft, drive pipe and rollers. The top edge of curtain fabric is secured to the 5" diameter aluminum drive pipe. The bottom of the curtain has a pocket with a concealed 2" diameter steel tube to keep the curtain straight and taut. The 5" drive pipe is cradled in the roller bracket on two heavy-duty steel rollers. Plastic wheels front and back prevent the drive pipe and curtain fabric from falling out of the roller bracket. Roller brackets are installed a maximum of 10'-0" on center. Winch and roller bracket attachment methods vary depending on building support structure. See drawings for attachment details.

OPERATION

The electric winch controls both up and down operations. When the operator activates the key switch the winch rotates the drive shaft and drive pipe in the up or down direction. The drive pipe and fabric roll on the steel rollers. The curtain fabric spools onto the drive pipe when rolling up and un-spools from the drive pipe when rolling down. Limit switches set by the installer determine the final up and down position of the curtain fabric. When the curtain reaches the complete up or down position the limit switches will stop the winch.

ELECTRIC WINCH

110 volts, 60 cycle, 1HP, 13 amps, instant reverse, low maximum current draw design, thermally protected. 1,000 inch lbs of torque, 20 rpm. Proprietary composite self-lubricating gearing (no oil bath). Double, self-locking worm gearing plus passive uni-directional brakes. Heavy-duty upper and lower gear driven limit switches. Patented interlocking steel frame for high rigidity and precise alignment.

CURTAIN FABRIC

The lower solid vinyl section of the divider curtain shall extend 8 feet above finished floor. Vinyl shall be heavy-duty 18oz per square yd. double-coated laminated vinyl with 1000-denier polyester base fabric. Upper section of curtain is flattened 9oz per square yard vinyl mesh. Vinyl is anti-fungal, anti-bacterial and mildew, rot, water, and U.V. resistant. Dimensionally stable and shrink resistant. Cleans with mild soap and water. All seams electronically welded for superior strength. Flame retardant for the life of the fabric (NFPA 701). See ACI Color Chart for available colors.