



- NOTE 1: 22 OZ. VINYL ONLY AVAILABLE IN RED, ROYAL BLUE, OR GRAY.
- NOTE 2: WIRING BETWEEN SYNCHRONIZE3R BOX AND MOTOR CABLE REEL RETRACTORS SUPPLIED BY OTHERS.
- NOTE 3: MAXIMUM WIDTH OF CURTAIN DEPENDS ON OPENING HEIGHT.
- NOTE 4: CURTAINS SHORTER THAN 40' WIDTH MAY USE ONLY ONE MOTOR.
- NOTE 5: SEE WIRING SCHEMATIC FOR ELECTRICAL REQUIREMENTS.

REV	DATE	BY



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CENTER DRIVE CURTAIN

DRAWN CONNERLEY	DATE 6/10/2011	DATE ISSUED 6/10/2011
APPROVED CONNERLEY	DATE 6/10/2011	
FILE LOC. Q:\Inventor Files\Specification Files\10_Curtains		
SIZE A	SCALE NONE	SHT. NO. 1 OF 1
PART NO. 4050	REV	



MODEL 4050

CENTER DRIVE DIVIDER CURTAIN

OVERHEAD STRUCTURE

The model 4050 gym curtain is supported from the roof structure by directly attaching to the underneath side of the roof truss or by attaching to Uni-strut, 4/O Chain, or 3 ½" OD horizontal and 2 3/8" OD vertical structural tubing supplied by Performance Sports Systems or Gared Sports. Bridge pipe will be required when truss spans exceed 14'. Superstructure shall be furnished with standard black finish. If special finish coat is required, specify final painting by painting contractor.

MATERIAL

The lower half shall be solid 19 oz. or 22 oz. polyester reinforced, fire retardant and mildew resistant vinyl fabric. Seams shall be electronically welded with a full contact weld. A padded pocket shall be formed in bottom edge of curtain to accommodate a 1.9" O.D. bottom batten. Upper half of curtain shall be 9 oz. vinyl coated polyester mesh. A pocket of vinyl or mesh shall be formed in top edge of curtain to a 1.9" O.D. bottom batten. Curtain shall stop 2" above finished floor.

DRIVE STRUCTURE

Curtain shall be operated by two synchronized internal tubular motors (120 volt, 60 hertz, single phase). Each motor has a maximum torque of 700 inch pounds with a speed of 14 rpm. Each motor shall be equipped with integral up and down limit switches with locking push buttons. Each asynchronous motor is maintenance free, permanently lubricated, features overheating protection and has sturdy electrical and mechanical design for long life. Motors shall feature electromagnetic disk brake for smooth and accurate stop without slippage. This feature allows full braking power in the event of power failure. Motors shall also feature three-stage planetary gear mechanism for extremely quiet and reliable use. **Curtain does not require cables, belts, straps, or torque arms for operation.** Curtains requiring cables, belts, straps or torque arms for operation shall not be considered equal.

Drive tube shall be affixed in the center of the curtain and supported by the vinyl mesh by means of an integrated slot in the tube and a nylon cord sewn into the bottom of the mesh panel. The vinyl panel shall be attached to the drive tube by means of an integrated slot in the tube and a nylon cord sewn into the top of the vinyl panel.

Motors shall utilize a flush mounted keyed switch to raise and lower the divider curtain. Key switch shall be located so that curtain is in full view of authorized operator at all times. Optional methods of operation include a Wireless Remote Control Operator or the Model 4060 TSC2000 Total System Control Keypad.

All electrical components to be located in overhead superstructure with the exception of the drive motors and the control switch. Curtains with (all) electrical components not located in overhead superstructure shall not be considered equal.

PSS or Gared Sports provides two (2) motors with 6' cords, two (2) motor cable retractor reels, one (1) synchronizer control and one (1) 24 volt key switch. Junction boxes shall be mounted within 6' of each motor. Electrical wiring for curtain must be on a dedicated circuit. **All wiring between the motor cable retractor reels and the synchronizer box, power wiring to the synchronizer, and all other electrical junction boxes to be furnished and installed by a certified electrical contractor. Follow manufacturer's instructions and all local codes.**