Coverstar

CS1800 UNDERGUIDE SPECS - Condensed

110 Volt AC Model Only

A B

Square Corners

2″ Finished flat cantilever (min.) Both sides and pool end.

General Requirements
1. Pool must be a true rectangle. (ABCD AB=CD, AC=BD, AD=BC)
2. Gunite mechanism end bond beam and any interior walls 2 inches lower.
3. Deck around perimeter of pool must have 2 inch minimum flat cantilever after tile.
4. One 3 inch drain from housing required. Adequate housing drainage required.

Excavation
1. Layout must be pure rectangle and corners must be cut square.
2. Skimmers may be either side or on end opposite the mechanism.
3. Dig housing area shelf 15” below top of side wall bond beams.
4. Shallow end dig is best with housing at deep end. (Less foot traffic.)

Cover Housing
1. Install after excavation and before gunite.
2. Interior bottom of housing is 14” below side bond beam elevation.
3. Stake housing in place. Housing must not be moved after installation.
4. Motor end offset is 32” and non-motor end offset is 10” from inside water wall.
5. Housing is 14” wide and 14” deeper than side wall bond beam elevation for pools up to 42’ long. For longer pools contact your Coverstar distributor.

Steel
1. All corners are square.
2. Steel the housing end bond beam and any interior spa walls 2 inches lower.

Plumbing
1. Plumbing should be kept 16 inches lower than side wall elevation in housing area.
2. 3 inch drain required at motor end of housing. Non-motor end drain is optional but best. Avoid placing plumbing pipes under housing. Place drains tight to edge of box.

Electrical
1. #8 sold bond wire with 3’ tail on each end of box. Wire must be bonded to equipment pad.
2. Full load motor amps 8.8, 110 VAC. Use adequate wire size. Follow all required codes.
3. Wire to housing should end in all-weather box. Standard system requires all wires to be sized for motor rating. Key switch carries full motor amperage. Circuit boards require wire for 5 VDC run in separate conduit from the AC wiring.
4. Key switch requires a standard box. It must be located where 100% of pool surface is visible.

Gunite
1. Pool must be a true rectangle. AB=CD, AC=BD, and AD=BC
2. Mechanism end bond beam is lowered 2 inches between side wall bond beams unless using encapsulated guide.
3. Interior spa walls lowered 2 inches.
4. All corners cut square.

Cantilevered Edge
1. Cantilevered edge must finish 2 inches flat after tile on 3 sides.
2. Deck edge material must be hard enough to hold a screw and anchor without cracking deck edge. Type and sufficiency of deck edge is responsibility of deck contractor. Coverstar is not responsible for damage to deck edge from track mounting.
3. Continue cantilever over lowered bond beam to front of housing.

Tile
1. Tile top of lowered bond beam. Tile should be 1 inch below deck edge at the housing and slope ½ inch down to pool.
2. Interior spa walls must finish 1 inch below bottom of cantilevered edge with no rough edges..

Cover Installation
1. Cover must be installed after water is in the pool.
2. In no case may cover be left over the pool without water level in pool at final elevation.

Grout Solid

2″ Flat (min.)

Tile

36″ (32″ min)

3″ Drain

Lowered Bond Beam

Slope tile back to Pool

C D

10"

14" Wide

Standard inside housing for pools up to 42′ long

14" Deep (from side bond beam elevation)

Motor Location

Bond Wire

Electrical: Std. Units require single gang all-weather box.

X

3″ Drain

Non-Motor End

Note: To determine motor side for ordering, stand at the “x” looking the direction of the arrow. Which side is the motor on? (Left hand motor shown)

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