

# R & S Industries

## “Renegade” vs. Cemco “220/3D”

R & S Industries has introduced a new concrete batch plant for the highly mobile and highly productive concrete market. We would like to take this opportunity to compare our “Renegade” to the Cemco “220/3D” and give voice to a few points that we feel the customer should keep in mind as he looks for the highest quality, most efficient and economical mobile concrete plant. Please be aware that we have based our comparison on the most current information available on our competitor.

### **Production Rate:**

The “Renegade” will produce a **12 yard batch** versus a 10 yard batch, with an estimated **240 cubic yards** per hour versus 220 cubic yards per hour.

### **Aggregate Section:**

The “Renegade” offers a larger aggregate storage from an estimated 36.0 cubic yards to 75.7 cubic yards ... **an increase of 39.7 yards or 55.5 tons.**

The “Renegade” offers a larger belt tonnage from 800 TPH to 1000 TPH, even though the belt is running slower for increased roller life and less belt wear.

The “Renegade” offers an open top conveyor allowing easier and more efficient roller and belt maintenance and service.

The “Renegade” offers faster, easier and safer truck loading by providing a load point that is located 4’-0” past the plant edge with a **discharge height of 13’-6”** versus a plant that requires the driver to back into a narrow silo frame and a 12’-6” discharge height.

The “Renegade” has direct mounted conveyor drive motor and reducer eliminating the need for a drive belt or belt guard, which allows a more reliable and safer plant.

The “Renegade” boasts an integrated truck shroud that is incorporated into the fifth wheel assembly. The integrated truck shroud also serves as a service deck for the conveyor head section and cement batcher gate.

### **Cement Silo:**

The “Renegade” offers a larger silo capacity even though we base our capacity on 74.0 lbs. per cubic foot.

The “Renegade” comes with a high and low, capacitance type, silo level indicators verses a single high level indicator.

The “Renegade” offers a safety ladder, telescopic silo top handrails and toe boards versus no safety ladder or safety measures ... even though the competition supplies a silo top dust collector.

The “Renegade” safety ladder also provides service access to the bin level indicators, relief valve and optional light package.

The “Renegade” boasts a 5” pneumatic fill line as standard the competition uses a 4” pneumatic fill line.

The “Renegade” has an integrated dust vent line that travels with the silo, Cemco does not.

The **“Renegade”** utilizes (2) 10” silo discharge valves instead of (1) 12” silo discharge valve, allowing a faster and more accurate discharge through a 40% increase in discharge opening size.

The **“Renegade”** can be ordered with a spilt silo, reducing the need for an optional auxiliary silo.

The **“Renegade”** cement batcher is 130 cubic feet verse 110 cubic feet allowing an increased batch size from 10 yards to **14 yards.**

The **“Renegade”** cement batcher utilizes an integrated airslide discharge with 2.1/2 H.P. low pressure blower in lieu of a 9” discharge screw conveyor, eliminating the moving parts in the batcher and the maintenance concerns. The 2.1/2 H.P. low pressure blower is also utilized for silo aeration, which provides air with lower relative humidity and less or no condensation problems compared to the standard compressed air source.

#### **Hydraulics:**

The **“Renegade”** uses a hydraulic unit for erection only, eliminating the following concerns.

- 1.) Overheating in hot weather and poor performance in cooler weather.
- 2.) Hydraulic leaks due to normal usage and operation.
- 3.) The increased possibility of a major oil spill due to continued normal use.
- 4.) Limited availability of hydraulic supplies and replacement parts for hydraulic pumps and motors.
- 5.) Limited availability of skilled hydraulic mechanics.
- 6.) Total dependence upon a single hydraulic unit for complete plant operation.

The **“Renegade”** lift geometry is designed for more efficient use of the hydraulic lift cylinders allowing a smooth and safer installation.

#### **Air System:**

The **“Renegade”** utilizes a 10 H.P. / 80 gallon tank air compressor with 35 CFM @ 175 PSI compared to a smaller air compressor that provides 26CFM.

The **“Renegade”** comes standard with the dependable and serviceable “R&S” air panel, a NEMA 4 enclosure for all the plant solenoids that provides dust and moisture control. Solenoids are plumbed in and exhaust lines are routed out and equipped with a “Quick” cut off valve to allow customers to isolate and cut air off to each individual valve for easy change out.

#### **Transportation System:**

The **“Renegade”** transportation axles are located to avoid sand and sludge spillage on the axle brakes and bearings.

#### **Paint:**

The **“Renegade”** comes in any color you want, where the competition comes in grey.

## **“Renegade” Package**

### **Dust Control:**

The **“Renegade”** package offers a central dust collector mounted on a separate trailer allowing the following benefits

- 1) Enough CFM to allow dust collection from a split compartment silo, cement batcher and the truck charging point.
- 2) Maintenance on a single unit is easy and convenient with no manlift needed.
- 3) Separate trailer allows more choice in dust collection placement, making your job site more efficient.

The **“Renegade”** package comes with a 7.1/2 H.P. automatic recycle system, returning reclaimed material to be returned to the silo through an integrated return line that travels with the silo.

### **Control House:**

The **“Renegade”** package offers an 8'-0" x 8'-0" control house in lieu of a 4'-6" x 5'-6" control house. Insulated, air conditioned, heated and pre-wired for 110 volt electricity

The **“Renegade”** control house is mounted on the same trailer that carries the central dust collector and generator offering more choice in control house placement, allowing a more efficient and comfortable job site.

The **“Renegade”** package offers an Alkon Commandbatch RM100 computerized concrete batch plant control with printer or any control system you want.