

Kubota BV5160 SC-14 vs. Case IH RB455 Rotor Cutter/ New Holland Roll Belt 450 CropCutter

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Summary

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SUMMARY

- The BV5160 bale chamber is located directly behind the feeder assembly and the CNH baler has a vertical chamber where the crop has to be moved up into the chamber. The BV5160 has 3 large driven profiled formation rollers and 5 endless belts, and the CNH has 5 driven rollers with 6 endless belts thus it's more complicated and requires more maintenance. The BV5160 has Intelligent Density system that has 2 cylinders and 2 springs controlled by operator in tractor cab. The BV5160 Intelligent Density system controls size and density of 3 bale zones. The CNH density system has 1 cylinder and 1 spring. It controls size and density of 2 bale zones.

PRODUCTIVITY

- The BV5160 bale chamber has better crop flow and increased capacity to handle all types of crops. The BV5160 chamber design ensures positive bale starting, formation and shape.

RELIABILITY

- The BV5160 bale location in chamber places less weight on tractor drawbar, less drop height and less chance of net breakage or bale runaway.

OPERATOR EXPERIENCE

- Due to a less complicated design, the BV5160 bale chamber has less maintenance which reduces operation costs.

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SUMMARY

- The BV5160 and the CNH models all have front load net systems with capacity to store 2 additional rolls of net wrap. The BV5160 PowerBind net binding system is advantageous in low loading height, heavy-duty support mechanisms, net brake system, and simpler routing design.

PRODUCTIVITY

- The BV5160 has a full width net brake compared to a brake shoe system on the CNH balers that requires maintenance. The full width net brake ensures a positive start and tight net placement.

RELIABILITY

- The BV5160 PowerBind heavy-duty mechanism supports the net roll and is easily adjusted compared to the lighter system in the CNH balers.

OPERATOR EXPERIENCE

- The BV5160 PowerBind system has a lower net roll loading height with fewer net rollers allowing a very simple and quick net routing process. The CNH balers have 3 net rollers and requires an insertion tool.

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SUMMARY

- The BV5160 has a 86” pickup flare to flare with 155 tines and the CNH balers have pickups that are 90” wide flare to flare with 160 tines. The BV5160 and CNH balers come standard with hydraulic lift.
- Both balers have an undershot rotor intake with an 18” diameter roller. The BV5160 has 14 knives pre-chop system with a 2.75” cut length. The CNH has 15 knives with a 2.6” cut length. Both balers have independent knife protection with individual springs.
- The BV5160 drop floor is advantageous because of its parallelogram drop design that allows increased space under front of rotor when floor is lowered. The CNH baler has a conventional rear pivoting drop floor.

PRODUCTIVITY

- The BV5160 adjustable pickup is clean sweeping and reduces crop loss.
- The BV5160 undershot rotor efficiently transports crop from pickup to bale chamber while the 14 knives pre-chopping system provides high cut quality.

RELIABILITY

- The BV5160 pickup is heavy-duty and low profile.
- The 18” diameter rotor intake on the BV5160 is heavy-duty

OPERATOR EXPERIENCE

- The standard hydraulic lift on the BV5160 pickup allows the operator to stay in the cab instead of having to stop and dismount tractor to lift or lower the pickup.
- The BV5160 drop floor is easily controlled from the tractor operating platform for efficient blockage clearance.

PRO FRAMEWORK

Competitive Comparison

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SUMMARY

- The BV5160 drive mechanism is heavy-duty with #100 (1.25" pitch) drive chains. The major drives and adjustments are located outside the chassis. The CNH balers have a complicated internal drive system that includes 5 driven rollers that require more chains and drives than the BV5160. Both balers have standard grease banks.

PRODUCTIVITY

- The BV5160 heavy-duty drives enable to handle any type of crop including heavy silage baling applications.

RELIABILITY

- The BV5160 heavy-duty drives, centrally located grease banks, and the standard auto-oiler system give longevity to the baler.

OPERATOR EXPERIENCE

- The BV5160 drive mechanism has fewer drives than the complicated system in the CNH balers resulting in less downtime, maintenance, replacement parts, and operating costs.
- The BV5160 has a standard auto-oiler system and grease banks.

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SUMMARY

The Kubota BV5160 comes standard with numerous PRO features such as a variable chamber with Intelligent Density System, high-capacity heavy-duty 86" pickup with hydraulic pickup, undershot rotor intake with 14 knife cutting system, parallelogram drop floor, PowerBind net system, and a heavy-duty drive mechanism which makes the BV5160 high performing in both silage and dry hay applications.

In conclusion, the Kubota BV5160 has more value reflected in its PRO features and benefits compared to the standard CNH models.