

Kubota BV4180 vs. Vermeer 604R Signature

Bale Chamber

Net System

Pickup

Drive Mechanism

Summary

Kubota BV4180 vs. Vermeer 604R Signature

[Bale Chamber](#)

[Back](#)

SUMMARY

- The BV4180 frame and machine structure is capable of handling any weight of crop including wet silage where the 604R Signature standard base model is limited to dry hay with an optional silage kit available. The BV4180 variable chamber has 3 large driven formation rollers and 5 belts, and the 604R Signature only has one small drive roller with 6 belts. The BV4180 Intelligent Density System allows the operator to customize three bale zones for size and density from the tractor operator station. The 604R Signature has a standard manual through hydraulic relief valve density system.

PRODUCTIVITY

- The BV4180 bale chamber has increased capacity to handle all types of crops including wet silage. The BV4180 chamber design ensures positive bale starting, formation, and shape.

RELIABILITY

- The BV4180 is capable of handling all forage types including silage in its standard base configuration.

OPERATOR EXPERIENCE

- The BV4180 with Intelligent Density System allows the operator to customize the bale size, zones, and density to their specific needs.

Kubota BV4180 vs. Vermeer 604R Signature

[Net System](#)

[Back](#)

SUMMARY

- The BV4180 has the front mounted PowerBind net system with capacity to store 2 additional rolls of net wrap. When compared to the 604R Signature, the BV4180 net system is advantageous because the PowerBind system is front mounted and the 604R Signature is rear mounted with a capacity to only store 1 additional roll of net wrap.
- The PowerBind system is very close to the bale chamber and the net only moves a short distance. The net in the 604R Signature has to travel down tailgate belts and into the bale chamber.
- The BV4180 has a full-width net braking system that ensures tight net placement and the 604R Signature has a very small brake.

PRODUCTIVITY

- The BV4180 has a full width net brake compared to a small brake shoe system on the 604R Signature. The full width net brake ensures a positive start and tight net placement with any type of net.
- In the BV4180, the net is injected closer to the bale and results in quicker wrapping time.

RELIABILITY

- The simple design of the PowerBind system eliminates the possibility of net damage and adjustments.

OPERATOR EXPERIENCE

- The front mounted, easily loaded PowerBind system can be seen and monitored by the operator from the tractor seat.

PRO FRAMEWORK

Competitive Comparison

Kubota
UNIVERSITY

Kubota BV4180 vs. Vermeer 604R Signature

[Pickup](#)

[Back](#)

SUMMARY

- The heavy-duty, low-profile BV4180 pickup is 79" wide flare to flare with 112 curved tines compared to 74" and 70 straight tines on the 604R Signature baler pickup. Both the BV4180 and 604R Signature come standard with hydraulic lift. The BV4180 has an adjustable hitch compared to the 604R Signature hitch which is not adjustable.

PRODUCTIVITY

- The BV4180 pickup has more width and curved tines compared to the 604R Signature pickup thus able to handle wider windrows and reduce crop loss even in light conditions.

RELIABILITY

- The heavy-duty BV4180 pickup with dual wheels and suspension allows it to follow the ground contour without damage.

OPERATOR EXPERIENCE

- The clean sweeping BV4180 pickup ensures that all crop is collected thus reducing losses.
- The adjustable hitch on the BV4180 make it more adaptable to various tractors.

PRO FRAMEWORK

Competitive Comparison

Kubota
UNIVERSITY

Kubota BV4180 vs. Vermeer 604R Signature

[Drive Mechanism](#)

[Back](#)

SUMMARY

- The BV4180 drive mechanism is heavy-duty with #100H (1.25" pitch) drive chains and high quality, large drive and idler rollers. The major drives and adjustments are located outside the chassis. The 604R Signature has #80H (1.00" pitch) main drive chain with small drives and idler rollers.

PRODUCTIVITY

- The BV4180 heavy-duty drives enable to handle any type of crop including heavy silage baling applications.

RELIABILITY

- The BV4180 heavy-duty drives and centrally located grease banks give longevity to the baler.

OPERATOR EXPERIENCE

- The BV4180 heavy-duty drive mechanism results in less downtime, maintenance, replacement parts, and operating costs.

Kubota BV4180 vs. Vermeer 604R Signature

[Summary](#)[Back](#)

SUMMARY

The Kubota BV4180 comes standard with numerous PRO features such as a variable chamber with Intelligent Density System, high capacity, heavy-duty 79" pickup with hydraulic pickup, PowerBind net system, and a heavy-duty drive mechanism which makes the BV4180 silage ready.

The standard 604R Signature base model has a less robust drive mechanism and pickup while being limited to dry hay. Also, it has a rear mounted net system that is difficult for the operator to monitor when compared to the BV4180.

In conclusion, the standard Kubota BV4180 is silage ready and has more key features and benefits compared to the Vermeer 604R Signature baler.