



RAKES

Vermeer®



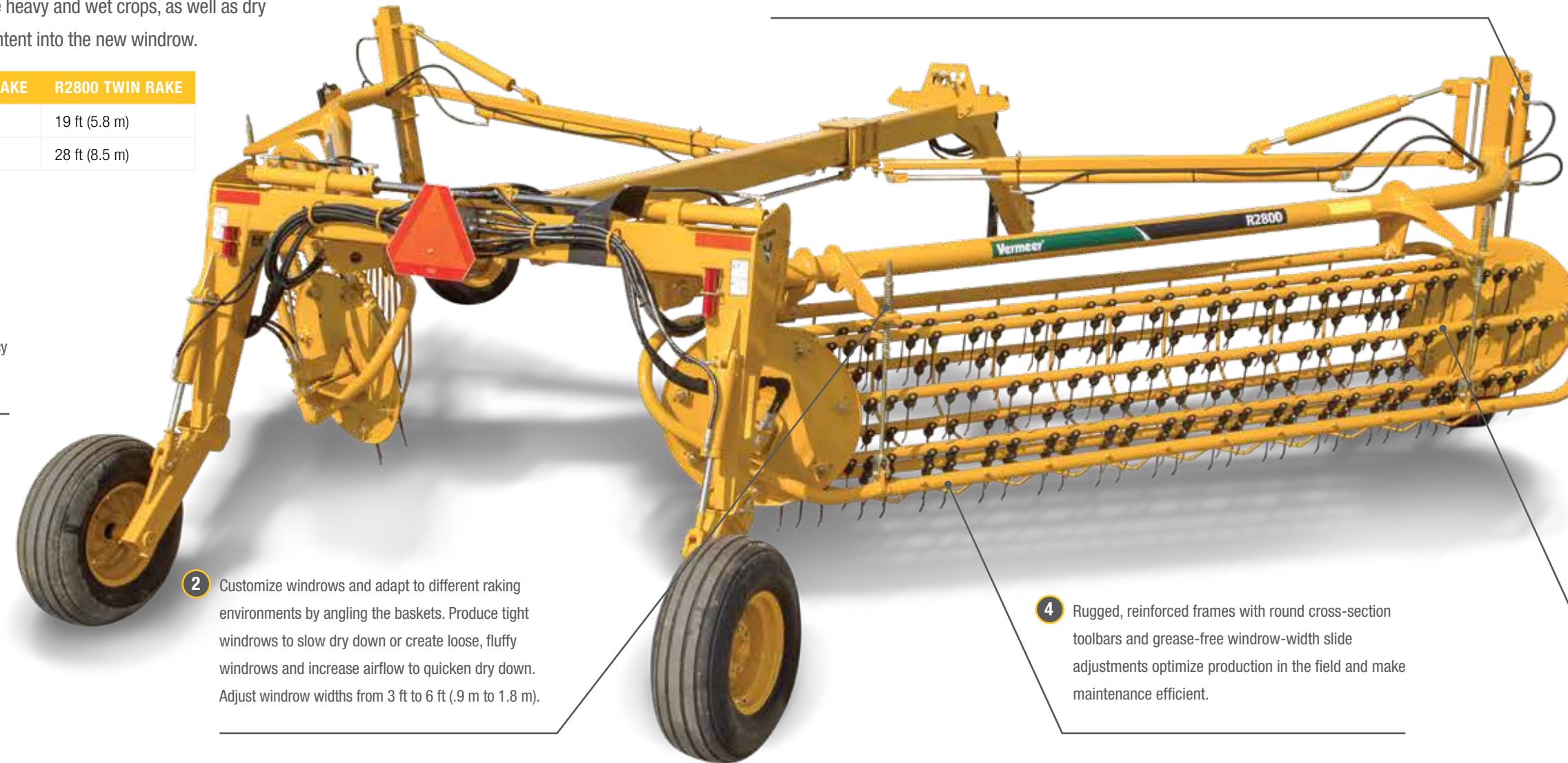


R2300 AND R2800 TWIN RAKES

Vermeer R2300 and R2800 twin rakes are for those who need to cover several acres in a short period of time. Built for performance and durability, these machines help achieve fast dry down and set you up to make tightly rolled bales. They are designed to rake heavy and wet crops, as well as dry hay, while introducing minimal ash content into the new windrow.

SPECIFICATION	R2300 TWIN RAKE	R2800 TWIN RAKE
Raking width minimum	18 ft (5.5 m)	19 ft (5.8 m)
Raking width maximum	23 ft (7 m)	28 ft (8.5 m)

1 Optional powered splitters spread hay in the center of the swath, combining it with the rest of the crop. This helps improve moisture control and consistency throughout the entire windrow.



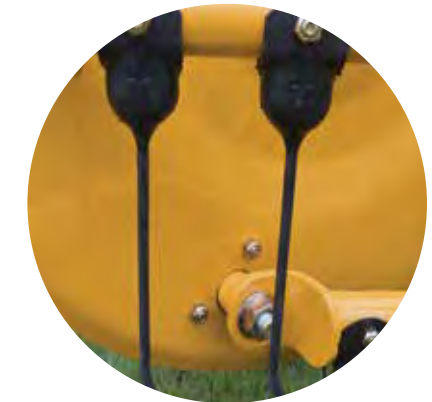
2 Customize windrows and adapt to different raking environments by angling the baskets. Produce tight windrows to slow dry down or create loose, fluffy windrows and increase airflow to quicken dry down. Adjust windrow widths from 3 ft to 6 ft (.9 m to 1.8 m).

3 Rake and windrow widths can be changed hydraulically to help maximize raking efficiency and customize windrow shape to your baler pickup.

4 Rugged, reinforced frames with round cross-section toolbars and grease-free windrow-width slide adjustments optimize production in the field and make maintenance efficient.



5 Transportation is fast and convenient. Hydraulic control from the cab allows operators to navigate narrow gate openings and country roads with transport widths of 8.4 ft (2.6 m) on the R2300 and 8.5 ft (2.6 m) on the R2800.



6 Six bar baskets on the R2300 (seven bar baskets on the R2800) mean maximized sweeping action, especially in high-volume conditions. Rubber-mounted tines can help reduce maintenance and service time.



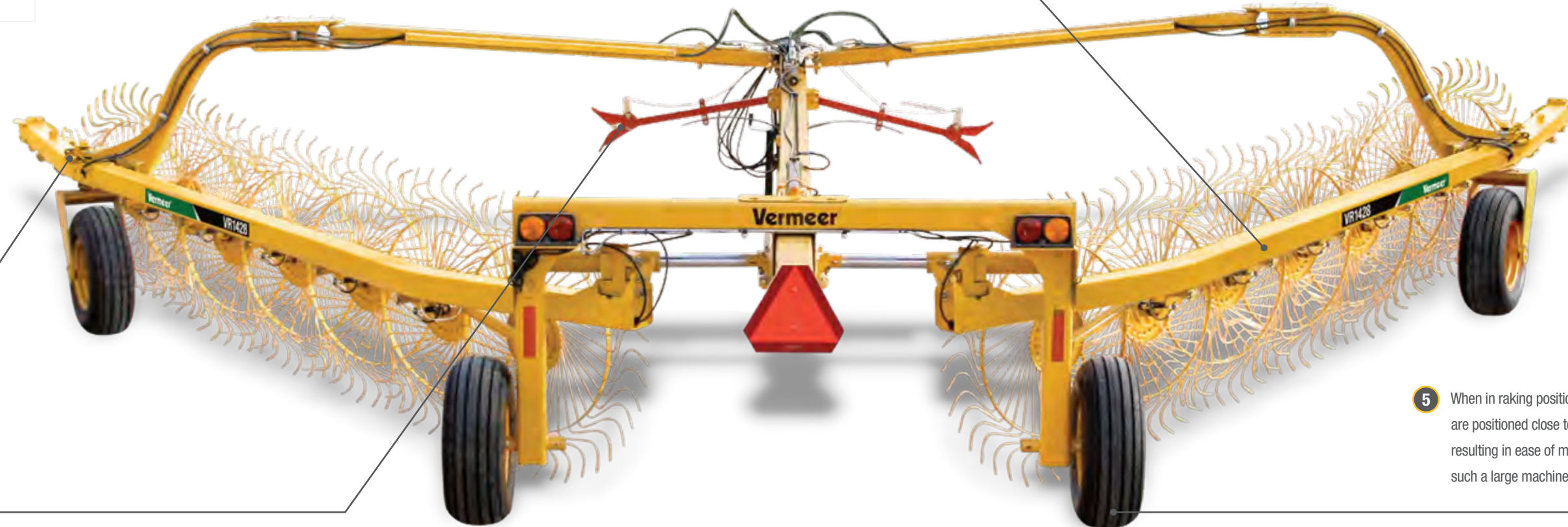
VR1428 AND VR2040 HIGH-CAPACITY WHEEL RAKES

Designed for high capacity, speed and maximized productivity, the VR1428 and VR2040 high-capacity wheel rakes are what operators need at the height of hay season.

SPECIFICATION	VR1428 HIGH-CAPACITY WHEEL RAKE	VR2040 HIGH-CAPACITY WHEEL RAKE
Raking width minimum	22 ft (6.7 m)	25 ft (7.6 m)
Raking width maximum	28 ft (8.5 m)	40 ft (12 m)

1 With a lift/suspension cylinder on each wheel and the nitrogen-charged accumulator, adjusting the rake wheel pressure is efficient — operators can change pressure settings using a valve. The suspension system minimizes weight changes through the wheel float range. It also minimizes wear and tear on rake wheel teeth and the amount of dirt and rocks in operators' hay.

2 With automatic field transport locks, operators can engage and disengage the transport lock without leaving the tractor. The field transport locks will automatically lock when folding in and can be disengaged by pulling a rope from the tractor seat.



3 The frame design of the VR2040 allows the toolbar to flex 40 in (101.6 cm) down or 66 in (167.6 cm) up, offering maximized vertical travel capabilities. The VR1428 flexes 36 in (91.4 cm) down or 48 in (121.9 cm) up.

4 One-piece rake arms and hydraulic suspension on each rake wheel provide flexibility with less maintenance than similar-sized rakes. Other rakes require a pivot joint and an additional caster wheel in the middle of the rake arm.



5 When in raking position, the rear wheels are positioned close to the tractor — resulting in ease of maneuverability for such a large machine.



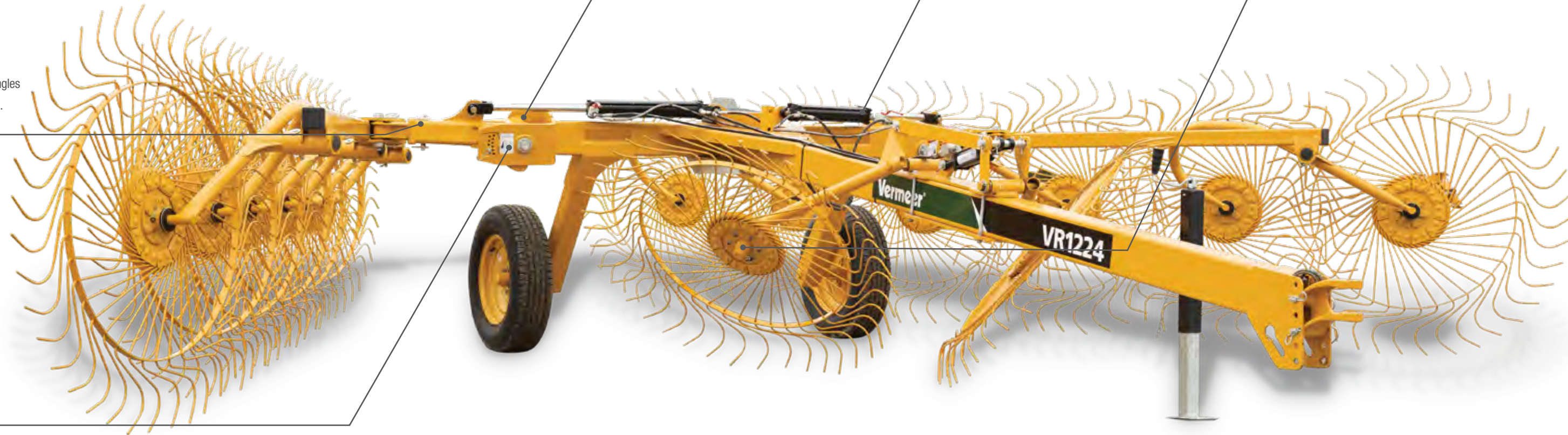
VR820, VR1022 AND VR1224 CARTED WHEEL RAKES

VR820, VR1022 and VR1224 carted wheel rakes are designed for strength, wide-stance balance, reliability and versatility for a heavy diet of haying. Select an 8-, 10- or 12-wheel size to fit operators' needs.

SPECIFICATION	VR820 CARTED WHEEL RAKE	VR1022 CARTED WHEEL RAKE	VR1224 CARTED WHEEL RAKE
Raking width minimum	16.6 ft (5.1 m)	19 ft (5.8 m)	19.9 ft (6.1 m)
Raking width maximum	19 ft (5.8 m)	22.6 ft (6.9 m)	24.4 ft (7.4 m)

1 Toolless adjustments help operators accommodate windrow widths, raking angles and arm angles by resetting pin positions.

2 Rubber torsion toolbar suspension lets operators adjust rake-wheel down pressure to match crop volume and conditions. This helps create clean, defined windrows and minimize wear on rake tines. No tools are needed to handle the user-friendly pin-setting adjustments.



3 Transport is convenient thanks to flat-folding wheels that reduce height while center-folding toolbars reduce width. Hydraulic locks secure the frame, and dual-hydraulic lift cylinders pick up the arms. Greaseable, tapered roller bearings on both rake wheels and transport wheels help extend bearing life.

4 Enable single-side raking in seconds without any tools by selecting either left- or right-side raking configurations.

5 The optional center splitter's dual-angled, ground-driven rake wheels split the crop to allow the center swath the same even dry down as the rest of the windrows. The splitter also lifts and locks hydraulically for transport and can be raised and lowered when turning tight corners.



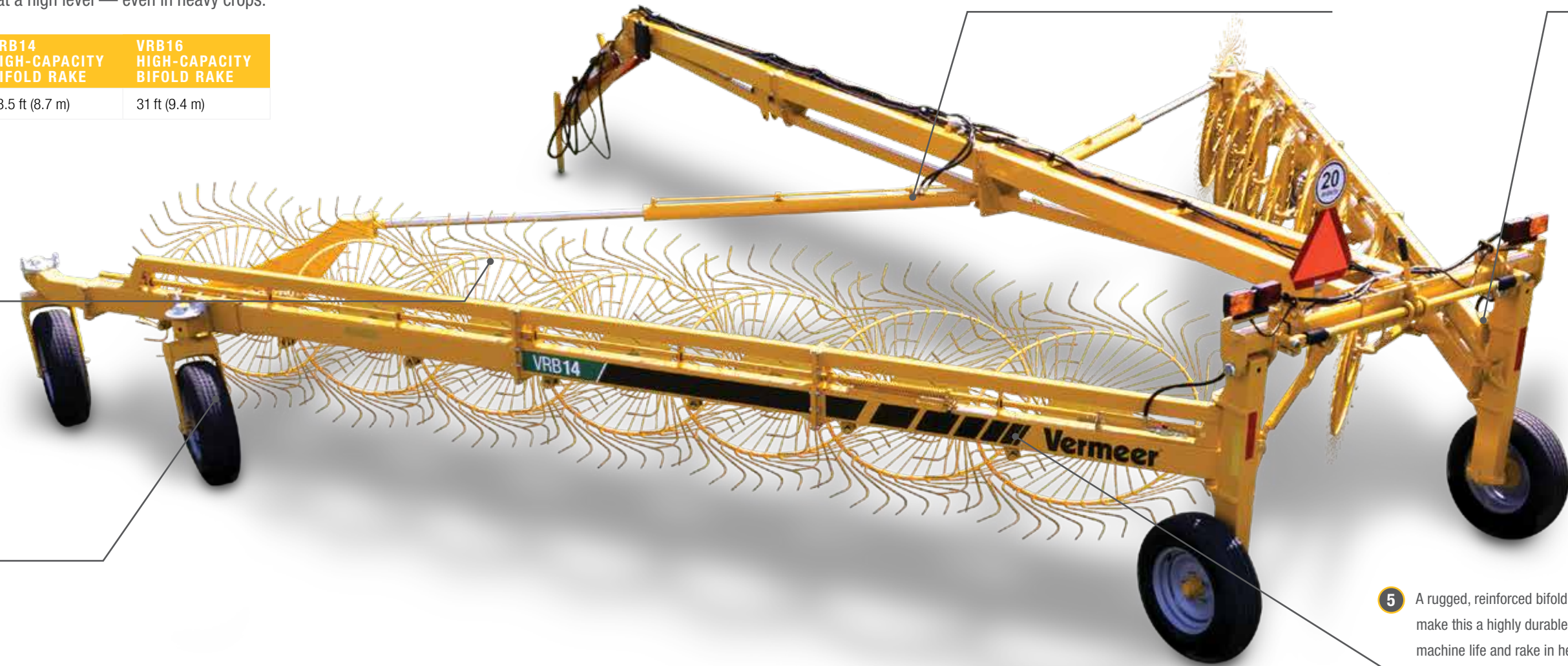
VRB12, VRB14 AND VRB16 HIGH-CAPACITY BIFOLD RAKES

High-capacity rakes built with durability and versatility. That's how to describe Vermeer VRB12, VRB14 and VRB16 high-capacity bifold rakes. They are designed for optimal ground clearance to help you maximize productivity and perform at a high level — even in heavy crops.

SPECIFICATION	VRB12 HIGH-CAPACITY BIFOLD RAKE	VRB14 HIGH-CAPACITY BIFOLD RAKE	VRB16 HIGH-CAPACITY BIFOLD RAKE
Raking width maximum	25 ft (7.6 m)	28.5 ft (8.7 m)	31 ft (9.4 m)

1 Maximize productivity with optimal clearing action and crop flow with standard 60-in (150-cm) rake wheels.

2 Optional tandem wheels help provide a smooth, level ride that contours the ground in varying conditions.



3 Optimal ground clearance with the high-capacity bifold frame helps avoid obstacles and optimize crop flow into the windrow. Plus, operators can go from raking to transporting quickly as the rake opens and closes hydraulically from the cab.

4 Make quick, toolless ground-pressure adjustments for consistent raking in varying ground conditions by adjusting a pin location on each toolbar.

5 A rugged, reinforced bifold frame and heavy-duty components make this a highly durable rake for its class, helping you maximize machine life and rake in heavy crops or challenging terrain.



RR140 ROTARY RAKE

Rake efficiently in wet or dry hay. This versatile, side-delivery rotary rake is designed for those focused on quality of crops and light, fluffy windrows. The RR140 rotary rake has a maximum raking width of 15.1 ft (4.6 m) with a low 30-hp (22.4-kW) tractor requirement, ideal for small operations.



1 The RR140 is equipped with 11 arms, each with four double tines. The RR140 is gentle on the crop and allows for airflow through the windrows for quick dry down.



2 With a transport width of 6.6 ft (2 m), the RR140 has perimeter guarding on both sides, which folds directly up, and the 11 arms hook into storage locations on the tongue. This provides the ability to transport on narrow roads and through gate openings.



3 Hydraulic lift and rake adjustments assist in getting up and over windrows while minimizing ash content. Two lift cylinders work off the same circuit to allow operators to adjust raking height from the tractor. There is also a manual crank that sets the rake pitch.

SPECIFICATION	R2300 TWIN RAKE	R2800 TWIN RAKE
DIMENSIONS AND WEIGHTS		
Raking width minimum	18 ft (5.5 m)	19 ft (5.8 m)
Raking width maximum	23 ft (7 m)	28 ft (8.5 m)
Windrow width minimum	36 in (91 cm)	30 in (76 cm)
Windrow width maximum	72 in (180 cm)	84 in (210 cm)
Transport length	21.8 ft (6.6 m)	24.8 ft (7.6 m)
Transport width	8.4 ft (2.6 m)	8.5 ft (2.6 m)
Transport height	5.9 ft (1.8 m)	6.9 ft (2.1 m)
Total weight	3,220 lb (1,500 kg)	4,540 lb (2,060 kg)
Tongue weight	1,400 lb (640 kg)	1,960 lb (890 kg)
Transport tire size	ST205/75D15	11L-15
Drive	Hydraulic	Hydraulic
RAKING COMPONENTS		
Tines per basket	120	182
Bars per basket	6	7
Basket length	9.5 ft (2.9 m)	12 ft (3.7 m)
Single-side raking	NA	Optional
TRACTOR REQUIREMENTS		
Minimum tractor horsepower	35 hp (26 kW)	70 hp (50 kW)
Hydraulic type	2 double-acting	2 double-acting
Hydraulic pressure	1,800 psi (120 bar)	1,800 psi (120 bar)
Hydraulic flow rate	8 gpm (30 L/min)	8 gpm (30 L/min)
FEATURES		
Highway lights	Optional	Optional
Center splitter	Optional powered	Optional powered



SPECIFICATION	VR820 CARTED WHEEL RAKE	VR1022 CARTED WHEEL RAKE	VR1224 CARTED WHEEL RAKE
DIMENSIONS AND WEIGHTS			
Raking width minimum	16.6 ft (5.1 m)	19 ft (5.8 m)	19.9 ft (6.1 m)
Raking width maximum	19 ft (5.8 m)	22.6 ft (6.9 m)	24.4 ft (7.4 m)
Windrow width minimum	31 in (79 cm)	19 in (48 cm)	21 in (53 cm)
Windrow width maximum	80 in (203.2 cm)	82 in (208.3 cm)	98 in (248.9 cm)
Transport length	20.2 ft (6.2 m)	20.2 ft (6.2 m)	23 ft (7 m)
Transport width	10 ft (3.1 m)	10 ft (3.1 m)	10.2 ft (3.1 m)
Transport height	9.4 ft (2.9 m)	9.4 ft (2.9 m)	8.5 ft (2.6 m)
Total weight	1,370 lb (620 kg)	1,520 lb (690 kg)	1,812 lb (820 kg)
Tongue weight	200 lb (90 kg)	300 lb (140 kg)	230 lb (100 kg)
Transport tire size	ST205/75D15	ST205/75D15	ST205/75D15
Flotation	Rubber torsion on toolbar	Rubber torsion on toolbar	Rubber torsion on toolbar
RAKING COMPONENTS			
Number of rake wheels	8	10	12
Rake wheel diameter	55 in (140 cm)	55 in (140 cm)	55 in (140 cm)
Teeth per wheel	40	40	40
Tooth diameter	.3 in (7 mm)	.3 in (7 mm)	.3 in (7 mm)
Rake wheel wind discs	Optional	Optional	Optional
Single-side raking	Standard left- or right-side capable	Standard left- or right-side capable	Standard left- or right-side capable
TRACTOR REQUIREMENTS			
Minimum tractor horsepower	30 hp (20 kW)	30 hp (20 kW)	30 hp (20 kW)
Hydraulic type	1 double-acting	1 double-acting	1 double-acting
Hydraulic pressure	1,500 psi (100 bar)	1,500 psi (100 bar)	1,500 psi (100 bar)
Hydraulic flow rate	5 gpm (20 L/min)	5 gpm (20 L/min)	5 gpm (20 L/min)
FEATURES			
Safety chain	Optional	Optional	Optional
Center splitter	Optional	Optional	Optional

SPECIFICATION	VRB12 HIGH-CAPACITY BIFOLD RAKES	VRB14 HIGH-CAPACITY BIFOLD RAKES	VRB16 HIGH-CAPACITY BIFOLD RAKES
DIMENSIONS AND WEIGHTS			
Raking width maximum	25 ft (7.6 m)	28.5 ft (8.7 m)	31 ft (9.4 m)
Windrow width minimum	3 ft (90 cm)	3 ft (90 cm)	3 ft (90 cm)
Windrow width maximum	6 ft (200 cm)	6 ft (200 cm)	6 ft (200 cm)
Transport length	24.8 ft (7.5 m)	32.7 ft (10 m)	32.7 ft (10 m)
Transport width	8.3 ft (2.5 m)	8.3 ft (2.5 m)	8.3 ft (2.5 m)
Transport height	6.4 ft (2 m)	6.4 ft (2 m)	6.4 ft (2 m)
Total weight	3,820 lb (1,730 kg)	5,070 lb (2,300 kg)	5,400 lb (2,450 kg)
Tongue weight	1,367 lb (620 kg)	1,742 lb (790 kg)	1,742 lb (790 kg)
Transport tire size	205/75-R15	205/75-R15	205/75-R15
Flotation	Steel spring on individual rake wheel	Steel spring on individual rake wheel	Steel spring on individual rake wheel
RAKING COMPONENTS			
Number of rake wheels	12	14	16
Rake wheel diameter	60 in (150 cm)	60 in (150 cm)	60 in (150 cm)
Teeth per wheel	40	40	40
Tooth diameter	.3 in (7 mm)	.3 in (7 mm)	.3 in (7 mm)
Rake wheel wind discs	Optional	Optional	Optional
Single-side raking	Optional	Optional	Optional
TRACTOR REQUIREMENTS			
Minimum tractor horsepower	30 hp (22 kW)	40 hp (30 kW)	40 hp (30 kW)
Hydraulic type	2 double-acting	2 double-acting	2 double-acting
Hydraulic pressure	1,800 psi (120 bar)	1,800 psi (120 bar)	1,800 psi (120 bar)
Hydraulic flow rate	5 gpm (20 L/min)	5 gpm (20 L/min)	5 gpm (20 L/min)
FEATURES			
Highway lights	Standard	Standard	Standard
Safety chain	Optional	Standard	Standard
Center splitter	Optional	Optional	Optional

SPECIFICATION	VR1428 HIGH-CAPACITY WHEEL RAKE	VR2040 HIGH-CAPACITY WHEEL RAKE	RR140 ROTARY RAKE
DIMENSIONS AND WEIGHTS			
Raking width minimum	22 ft (6.7 m)	25 ft (7.6 m)	12.7 ft (3.9 m)
Raking width maximum	28 ft (8.5 m)	40 ft (12 m)	15.1 ft (4.6 m)
Windrow width minimum	36 in (91 cm)	36 in (91 cm)	28 in (71 cm)
Windrow width maximum	72 in (180 cm)	72 in (180 cm)	55 in (140 cm)
Transport length	31.1 ft (9.5 m)	38 ft (12 m)	16.4 ft (5 m)
Transport width	10.5 ft (3.2 m)	12 ft (3.7 m)	6.6 ft (2 m)
Transport height	6.3 ft (1.9 m)	6.3 ft (1.9 m)	8.5 ft (2.6 m)
Total weight	5,040 lb (2,290 kg)	6,780 lb (3,080 kg)	1,676 lb (760 kg)
Tongue weight	1,300 lb (590 kg)	1,840 lb (835 kg)	221 lb (100 kg)
Transport tire size	11L-15	14L x 16.1	18 x 8.5-8
Flotation	Hydraulic	Hydraulic	NA
Drive	Hydraulic	Hydraulic	PTO, 540 rpm
RAKING COMPONENTS			
Number of rake wheels	14	20	NA
Rake wheel diameter	55 in (140 cm)	55 in (140 cm)	NA
Teeth per wheel	40	40	NA
Tooth diameter	.3 in (7 mm)	.3 in (7 mm)	NA
Rake wheel wind discs	Optional	Optional	NA
Rotor diameter	NA	NA	135 in (3.4 m)
Number of tine arms	NA	NA	11
Number of double tines per arm	NA	NA	4
TRACTOR REQUIREMENTS			
Minimum PTO horsepower	NA	NA	30 hp (22.4 kW)
Minimum tractor horsepower	40 hp (30 kW)	60 hp (45 kW)	NA
Hydraulic type	3 double-acting	3 double-acting	1 single-acting
Hydraulic pressure	1,800 psi (120 bar)	1,800 psi (120 bar)	1,800 psi (120 bar)
Hydraulic flow rate	5 gpm (20 L/min)	5 gpm (20 L/min)	8 gpm (30.3 L/min)
FEATURES			
Highway lights	Standard	Standard	NA
Safety chain	Optional	Optional	NA
Center splitter	Optional	Optional	NA

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