

RAKES



TWIN RAKES, CARTED WHEEL RAKES, HIGH-CAPACITY WHEEL RAKES, ROTARY RAKES



RR140s, RR205s, RR235c AND RR270c ROTARY RAKES

Unlock the full potential of your forage operation with Vermeer rotary rakes. With robust construction and premium materials, they help deliver clean, high-quality windrows acre after acre.

SPECIFICATION	RR140s ROTARY RAKE	RR270c ROTARY RAKE	RR205s ROTARY RAKE	RR235c ROTARY RAKE
Raking width minimum	12.5 ft (3.8 m)	24 ft (7.3 m)	11.1 ft (3.4 m)	21.54 ft (6.57 m)
Raking width maximum	14 ft (4.3 m)	27 ft (8.3 m)	20.3 ft (6.2 m)	23.4 ft (7.16 m)

1 Experience exceptional responsiveness and higher working speeds with walking tandems under each rotor.

2 Optimal performance in the field comes from the tine arms on each rotor — each designed to simplify maintenance and enhance operational efficiency. Cam and rake height have convenient toolless adjustments, allowing for precise control during operation. Additionally, each tine arm features a convenient linchpin connection system for easy removal during transport or in case of damage.

3 Enhance maneuverability and minimize field impact with a steerable axle ensuring the machine follows the tractor seamlessly during turns on the RR235c and RR270c. The two-point hitch system connects to a robust linkage that allows the rear tires and axles to be adjusted independently of each other, optimizing raking performance and reducing footprint.

6 Achieve efficient raking and clean, even windrows with a modular rotor — the heart of the rotary rake. Its robust design allows for long service life and simple maintenance with individually replaceable parts.



5 Confidently tailor your rake to crop volume and field conditions with large cam tracks and bearings with up to 30 degrees of adjustment.

4 Achieve improved ground tracking on varied terrain with optional single- or double-gauge wheels on the tongue of the RR140s that helps maintain correct working height to prevent damage to tines.



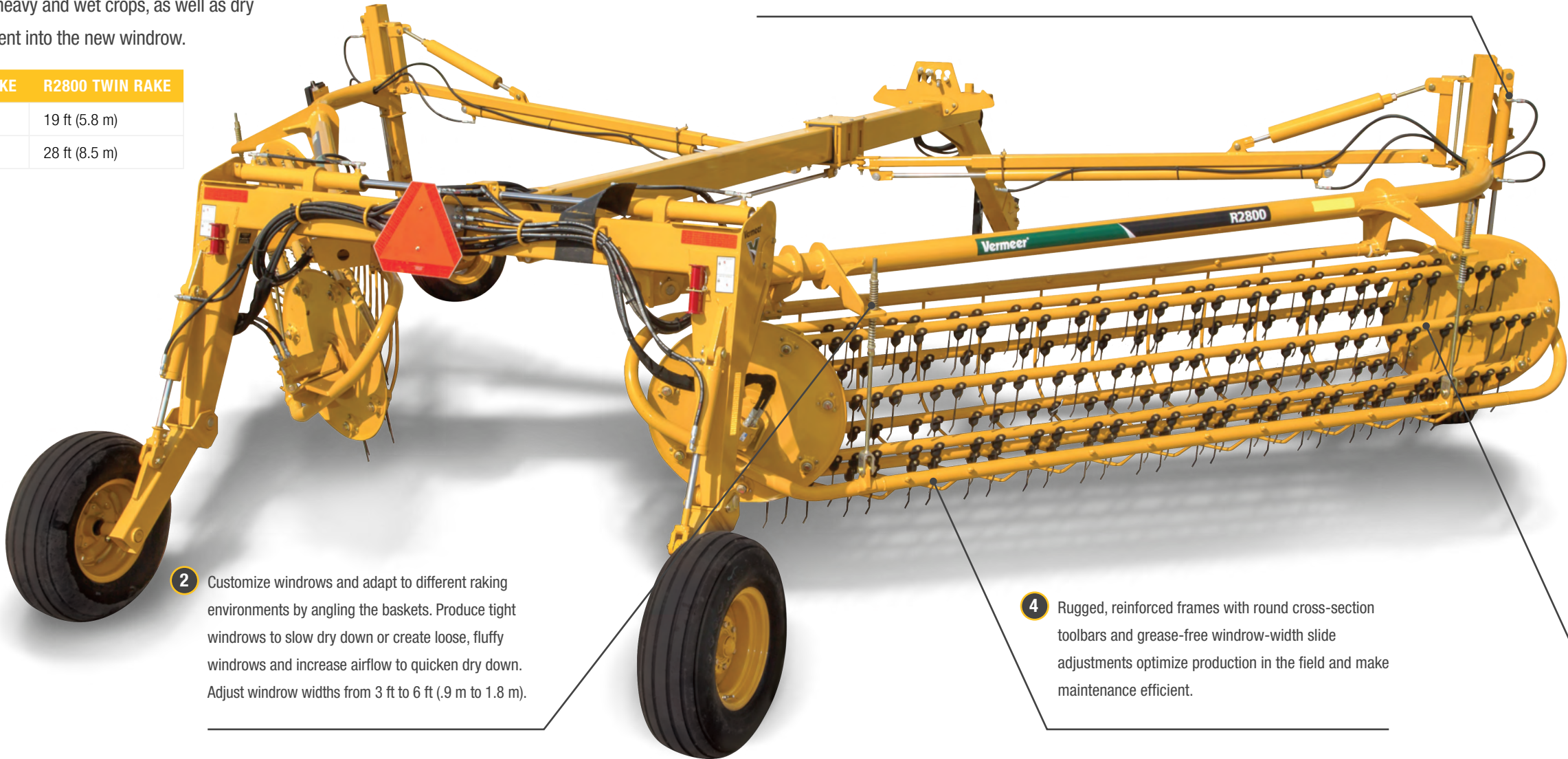


R2300 AND R2800 TWIN RAKES

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 and 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.



VRC820, VRC1022 AND VRC1224

CARTED WHEEL RAKES

Not all wheel rakes are created equal. Vermeer VRC carted wheel rakes stand out from the pack with a one-piece steel frame and patented design features, for durability and performance in the field.

SPECIFICATION	VRC820 CARTED WHEEL RAKE	VRC1022 CARTED WHEEL RAKE	VRC1224 CARTED WHEEL RAKE
Raking width minimum	17.2 ft (5.2 m)	19 ft (5.8 m)	19.7 ft (6 m)
Raking width maximum	20.1 ft (6.1 m)	22.5 ft (6.9 m)	24.3 ft (7.4 m)

1 Rubber torsion suspension maintains consistent ground pressure throughout the rake's lifespan for clean hay and long-lasting rake performance.

2 Simple and precise tool-free adjustments on either side of the rake allow the operator to modify both the overall raking width and the windrow width.

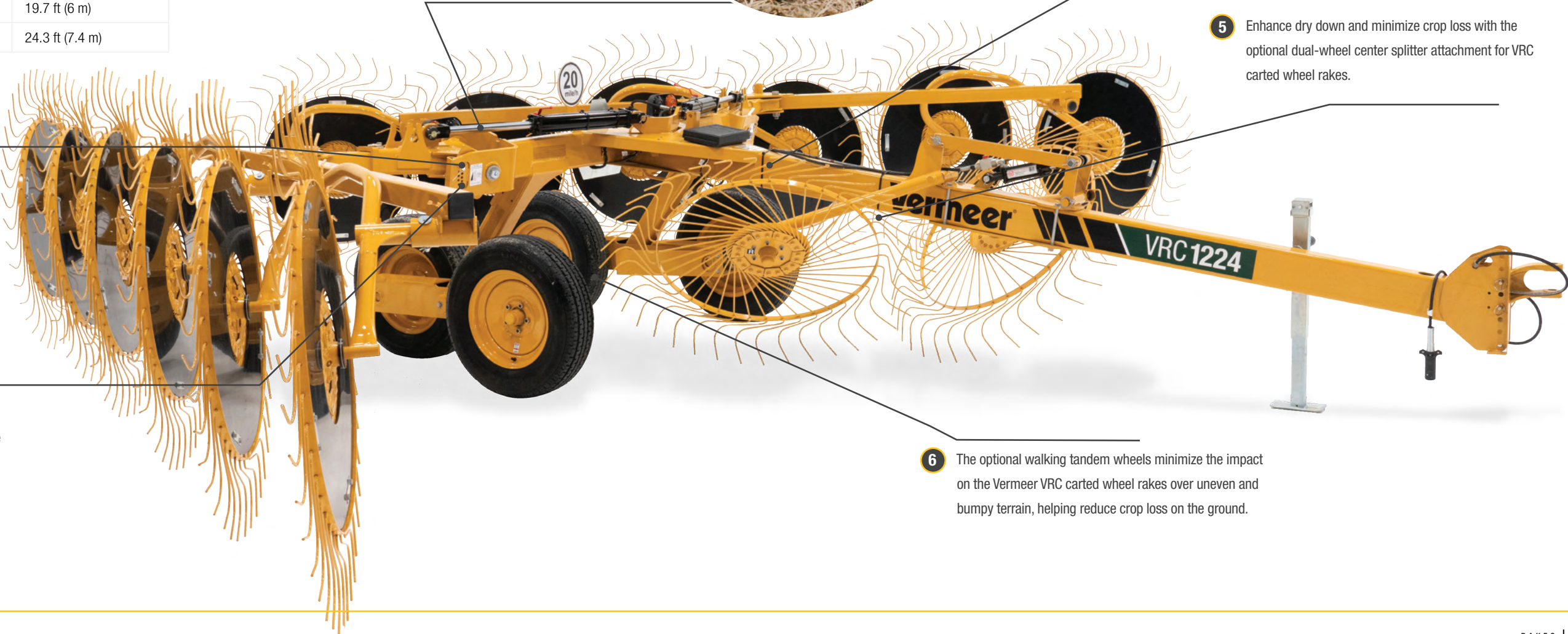
3 Make turns in the field and storing for transport quicker and easier with an improved hydraulic system. This system allows each toolbar to lift and lower at the same rate and automatically locks the toolbars in various positions.



4 The VRC series rakes feature a fully welded tongue and frame, forming a single-piece steel structure that helps extend the performance and life of the rake.

5 Enhance dry down and minimize crop loss with the optional dual-wheel center splitter attachment for VRC carted wheel rakes.

6 The optional walking tandem wheels minimize the impact on the Vermeer VRC carted wheel rakes over uneven and bumpy terrain, helping reduce crop loss on the ground.





VRB12, VRB14 AND VRB16 BIFOLD WHEEL 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.

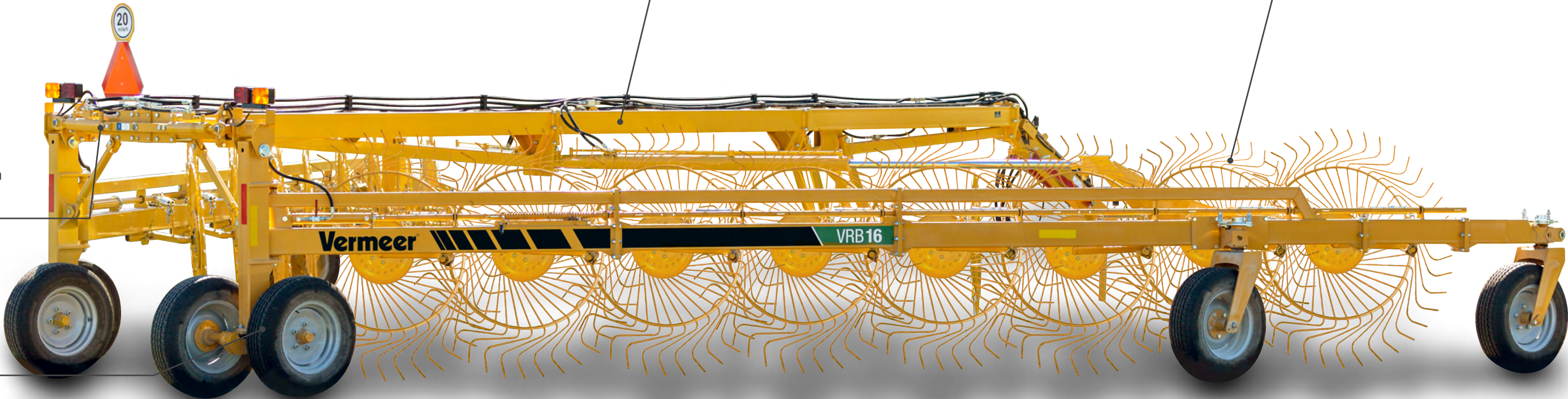
SPECIFICATION	VRB12 BIFOLD WHEEL RAKE	VRB14 BIFOLD WHEEL RAKE	VRB16 BIFOLD WHEEL RAKE
Raking width maximum	25 ft (7.6 m)	28.5 ft (8.7 m)	31 ft (9.4 m)

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

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





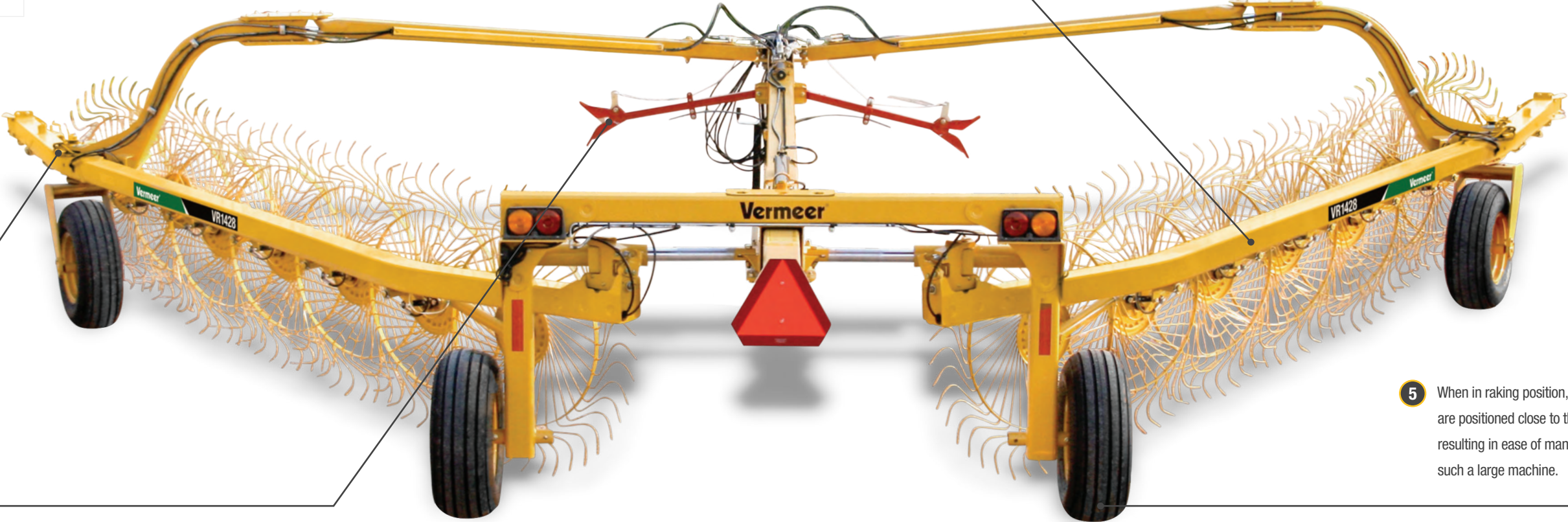
VR1428 AND VR2040 HIGH-CAPACITY WHEEL RAKES

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.

SPECIFICATION	RR140s ROTARY RAKE	RR205s ROTARY RAKE	RR235c ROTARY RAKE	RR270c ROTARY RAKE
DIMENSIONS AND WEIGHTS				
Raking width minimum	12.5 ft (3.8 m)	11.1 ft (3.4 m)	21.54 ft (6.57 m)	24 ft (7.3 m)
Raking width maximum	14 ft (4.3 m)	20.3 ft (6.2 m)	23.4 ft (7.16 m)	27 ft (8.3 m)
Windrow width minimum	28 in (70 cm)	24 in (0.6 m)	51 in (1.3 m)	45 in (115 cm)
Windrow width maximum	47 in (120 cm)	47 in (1.2 m)	73 in (1.85 m)	84 in (213 cm)
Transport width	6.8 ft (2.1 m)	8.3 ft (2.55 m)	9.8 ft (3 m)	9.8 ft (3 m)
Transport length	16.4 ft (5.0 m)	25 ft (7.64 m)	18.1 ft (5.51 m)	19 ft (5.8 m)
Transport height	3.9 ft (1.2 m)	4.9 ft (1.5 m)	11.4 ft (3.5 m)	13.1 ft (4 m)
Total weight	1,570 lb (710 kg)	3,262 lb (1,480 kg)	3,968 lb (1,800 kg)	4,600 lb (2,100 kg)
Tongue/hitch weight	820 lb (370 kg)	1,699 lb (771 kg)	1,706 lb (774 kg)	2,000 lb (890 kg)
Transport tire size	18x8.50-8 x (4)	18x8.50-8 x (4)	380/55-17	380/55-17, steering axle
Rotor tire size	18x8.50-8 x (4)	18x8.50-8 x (4)	16x6.50-8	16x6.50-8
Flotation	(2) walking tandem axle	(2) walking tandem axle	(3) walking tandem axle	(3) walking tandem axle
Drive	PTO	PTO	PTO	PTO
RAKING COMPONENTS				
Tooth diameter	.33 in (8.5 mm)	.33 in (8.5 mm)	.33 in (8.5 mm)	.33 in (8.5 mm)
Rotor diameter	11 ft (3.3 m)	11 ft (3.3 m)	10.3 ft (3.15 m)	11.6 ft (3.5 m)
Number of tine arms	12	2x10 (20)	2x11 (22)	26
Number of double tines per arm	4	4	4	4
Single-side raking	NA	NA	Optional electric/hydraulic separate rotor lift	Optional electric/hydraulic separate rotor lift
Windrow width adjustment	Manual	Manual	Manual, optional hydraulic	Hydraulic
Windrow position	Left	Left	Center	Center
Rotor lift	Hydraulic	Hydraulic	Hydraulic	Hydraulic
TRACTOR REQUIREMENTS				
Minimum PTO horsepower	27 hp (20 kW)	40 hp (30 kW)	55 hp (40 kW)	55 hp (40 kW)
Hydraulic type	1 single-acting	1 single-acting, 1 double-acting	1 single-acting, 1 double-acting	1 single-acting, 1 double-acting
Hydraulic pressure	2,000 psi (138 bar)	2,000 - 3,000 psi (138 -207 bar)	1,885 – 2,900 psi (130 - 200 bar)	2,000 psi (138 bar)
Hydraulic flow rate	5 gpm (19 L/min)	6 gpm (27 L/min)	6 gpm (27 L/min)	6 gpm (27 L/min)
PTO speed	540 rpm	540 rpm	540 rpm	540 rpm
Recommended PTO speed	400 rpm - 500 rpm	400 rpm - 500 rpm	400 rpm - 500 rpm	400 rpm - 500 rpm
Hitch	Drawbar	Drawbar	Cat. III N (narrow) 2-point hitch	2-point
FEATURES				
Highway lights	Standard	Standard	Standard	Standard
Safety chain	Optional	Optional	NA	NA



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	8.4 ft (2.6 m)	8.5 ft (2.6 m)
Transport width	21.8 ft (6.6 m)	24.8 ft (7.6 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)
Hitch	Drawbar	Drawbar
FEATURES		
Highway lights	Optional	Optional
Center splitter	Optional powered	Optional powered

SPECIFICATION	VRC820 CARTED WHEEL RAKE	VRC1022 CARTED WHEEL RAKE	VRC1224 CARTED WHEEL RAKE
DIMENSIONS AND WEIGHTS			
Raking width minimum	17.2 ft (5.2 m)	19 ft (5.8 m)	19.7 ft (6 m)
Raking width maximum	20.1 ft (6.1 m)	22.5 ft (6.9 m)	24.3 ft (7.4 m)
Windrow width minimum	32 in (81 cm)	21 in (53 cm)	24 in (61 cm)
Windrow width maximum	94 in (2.4 m)	87 in (2.2 m)	101 in (2.6 m)
Transport length	10 ft (3 m)	10 ft (3 m)	10.2 ft (3.1 m)
Transport width	20 ft (6 m)	20.2 ft (6.2 m)	23 ft (7 m)
Transport height	9.4 ft (2.9 m)	9.4 ft (2.9 m)	9.4 ft (2.9 m)
Total weight	2,200 lb (1,000 kg)	2,350 lb (1,070 kg)	2,600 lb (1,200 kg)
Tongue weight	480 lb (220 kg)	480 lb (220 kg)	480 lb (220 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	0.3 in (7 mm)	0.3 in (7 mm)	0.3 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	6 gpm (22 L/min)	6 gpm (22 L/min)	6 gpm (22 L/min)
FEATURES			
Highway lights	Optional	Optional	Optional
Safety chain	Optional	Optional	Optional
Center splitter	Optional	Optional	Optional
Walking tandems	Optional	Optional	Optional

SPECIFICATION	VRB12 BIFOLD WHEEL RAKE	VRB14 BIFOLD WHEEL RAKE	VRB16 BIFOLD WHEEL RAKES	VR1428 HIGH-CAPACITY WHEEL RAKE	VR2040 HIGH-CAPACITY WHEEL RAKE
DIMENSIONS AND WEIGHTS					
Raking width maximum	25 ft (7.6 m)	28.5 ft (8.7 m)	31 ft (9.4 m)	28 ft (8.5 m)	40 ft (12 m)
Windrow width minimum	3 ft (90 cm)	3 ft (90 cm)	3 ft (90 cm)	36 in (91 cm)	36 in (91 cm)
Windrow width maximum	6 ft (200 cm)	6 ft (200 cm)	6 ft (200 cm)	72 in (180 cm)	72 in (180 cm)
Transport length	8.3 ft (2.5 m)	8.3 ft (2.5 m)	8.3 ft (2.5 m)	10.5 ft (3.2 m)	12 ft (3.7 m)
Transport width	24.8 ft (7.5 m)	32.7 ft (10 m)	32.7 ft (10 m)	31.1 ft (9.5 m)	38 ft (12 m)
Transport height	6.4 ft (2 m)	6.4 ft (2 m)	6.4 ft (2 m)	6.3 ft (1.9 m)	6.3 ft (1.9 m)
Total weight	3,820 lb (1,730 kg)	5,070 lb (2,300 kg)	5400 lb (2450 kg)	5,040 lb (2,290 kg)	6,780 lb (3,080 kg)
Tongue weight	1,367 lb (620 kg)	1,742 lb (790 kg)	1,742 lb (790 kg)	1,300 lb (590 kg)	1,840 lb (835 kg)
Transport tire size	205/75-R15	205/75-R15	205/75-R15	11L-15	14L x 16.1
Flotation	Steel spring on individual rake wheel	Steel spring on individual rake wheel	Steel spring on individual rake wheel	Hydraulic	Hydraulic
RAKING COMPONENTS					
Number of rake wheels	12	14	16	14	20
Rake wheel diameter	60 in (150 cm)	60 in (150 cm)	60 in (150 cm)	55 in (140 cm)	55 in (140 cm)
Teeth per wheel	40	40	40	40	40
Tooth diameter	0.3 in (7 mm)	0.3 in (7 mm)	0.3 in (7 mm)	0.3 in (7 mm)	0.3 in (7 mm)
Rake wheel wind discs	Optional	Optional	Optional	Optional	Optional
Single-side raking	Optional	Optional	Optional	NA	NA
TRACTOR REQUIREMENTS					
Minimum tractor horsepower	30 hp (22 kW)	40 hp (30 kW)	40 hp (30 kW)	40 hp (30 kW)	60 hp (45 kW)
Hydraulic type	2 double-acting	2 double-acting	2 double-acting	3 double-acting	3 double-acting
Hydraulic pressure	1,800 psi (120 bar)	1,800 psi (120 bar)	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)	5 gpm (20 L/min)	5 gpm (20 L/min)
FEATURES					
Highway lights	Standard	Standard	Standard	Standard	Standard
Safety chain	Optional	Standard	Standard	Optional	Optional
Center splitter	Optional	Optional	Optional	Optional	Optional



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