

Challenger SPRA-COUCPE 4460 / 4660

Challenger[®] SPRA-COUCPE 4460 / 4660



SERIOUS MACHINERY



Spra-Coupe 4460/4660
125 hp

Maximum cost efficient

In today's economic environment, farmers need the most cost effective machinery. For years and years large farmers around the world have been convinced of the principle of high speed application combined with low volume spraying. Several agricultural studies have proven that this technique works. Better chemical coverage of the crop, less chemical on the ground means tremendous improvement of spraying quality, but at the same time an enormous increase of capacity.

More capacity without making concessions to your principles. Excellent spraying results, low ground pressure, less fuel consumption, less working hours, that's how you can increase your profits!

Spra-Coupe 4460 and 4660 maintains its world lead in innovative design and superior performance and continues to be the leading self propelled high clearance sprayer on the market.

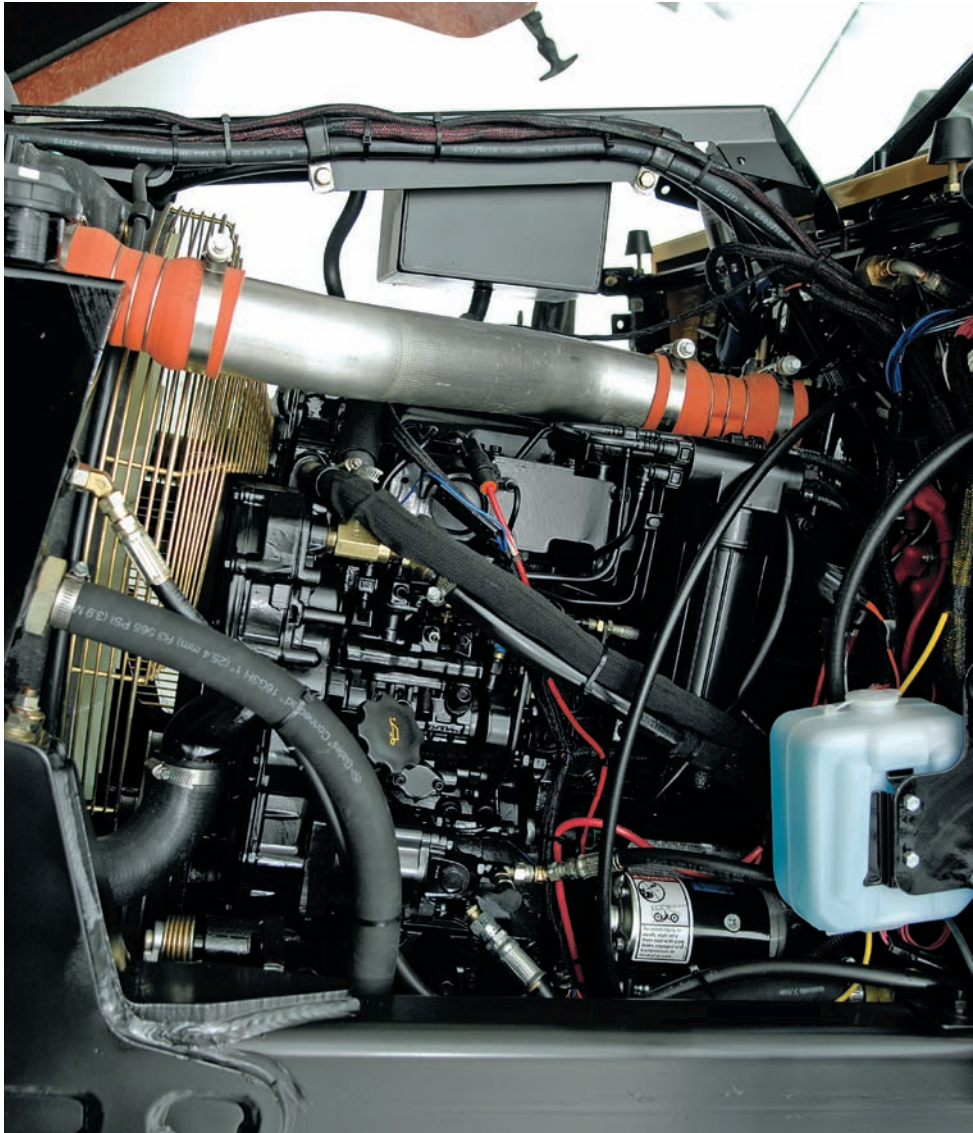
Higher speed, better coverage

Weed, insects and crop diseases don't wait for the optimal spray conditions. They often thrive when field conditions are at their worst. You can't afford to miss the opportunity.

Higher application speeds while spraying give a different coverage of chemicals on the crop in comparison to spraying at lower speeds. The droplets are being thrown at higher speeds at the crop, resulting in an other angle of impact into the crop.

A better crop coverage of the chemicals, and less chemical on the soil. A better spraying result is a logical consequence of using lower volumes, not because of the reduced amount of water, but the concentration and coverage are crucial factors of the spray result.





How the high speed is achieved

A combination of relatively light weight, superb suspension, plenty of power and torque puts Spracoupe ahead of conventional sprayers. The light weight means that soil compaction is minimized and damage to fragile top soil is reduced. Independent front and rear suspension and the flex frame give the Spracoupe agility and stability in the field. The chassis design has proved to be very durable.

More ground cover

Most large self propelled and big pull type Sprayers work at around 10-12 km/h and cover around 100 hectares a day. The Spracoupe can work at around 20 - 25 km/h and cover twice that area with ease.

More Power

Fitted with powerful Caterpillar® Tier 3 / Stage IIIA engine the machine has a great capacity in flat and hilly areas. Through the mechanical drive line the machine has less power loss. The powerful engine combined with the mechanical drive line improves performance and reduces fuel consumption. The Spracoupe 4460 and 4660 are fitted with manual or automatic transmissions with 5 gears forward and 1 gear reverse.

Versatility

Operator environment

Fitted with a comfortable, panoramic, air conditioned cab, you can be guaranteed an excellent level of operator comfort. There are a number of overhead switches, controls, cab lighting, standard air conditioning / heating and radio / CD player.

Joystick

The joystick integrated in the right hand control console allows the operator to perform a number of functions. It allows operation of spray pump, booms, sections, foam marker and boom height with the simple push on a button.



Adjustable track width

The adjustable track width allows the operator to change the rear track width on the drive by simple push of a shifter in the cab.

Spra-Coupe 4460: 1.83m – 2.60m
Spra-Coupe 4660: 2.04m – 2.75m



Steel booms

Booms from 18.3 (60") or 24.4 (80") are available for the Spra-Coupe 4000 series. Steel booms are exceptionally rigid and stable with full breakaway. This feature extends boom life and improves machine reliability.

High clearance

The outstanding ground clearance of up to 122cm on 4660 and 96.5cm on 4460 Spra-Coupe models offers a tremendous reduction in crop damage, particularly in sensitive crops such as oilseed rape and sunflowers.



Versatility

Spray pump

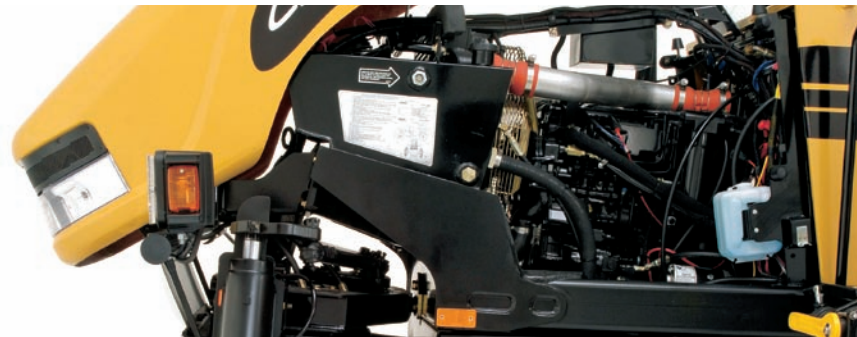
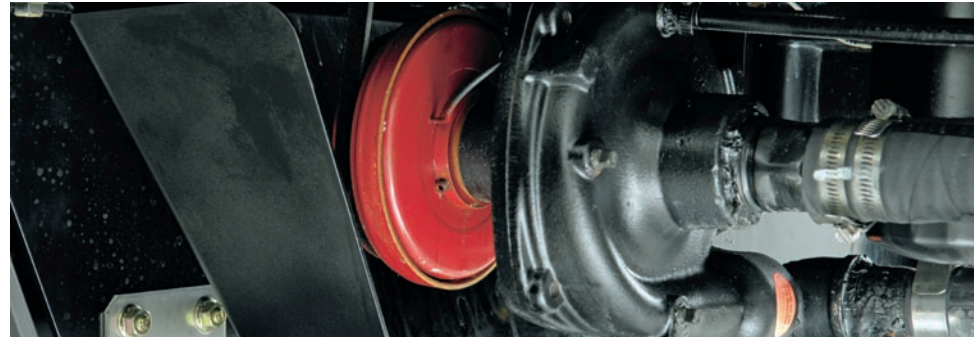
A hydraulic driven centrifugal pump gives 250 litre per minute. The pump gives constantly the required volume. There is a low maintenance requirement.

Spray controller

Fitted with the Raven 460 spray controller system. The spray controller controls constantly the application rates. The system monitors the liters per ha, the spray pressure, total sprayed volumes and area covered, speed and tank volume.

Maintenance and service

Designed for low maintenance and reduced down time. The machines have a low number of grease points and the front tilting bonnet ensures full access to major parts in minutes.



Options

Self priming filling pump

Foam marker

Chemical eductor

Clean water tank 160 L

Parallel swathing system

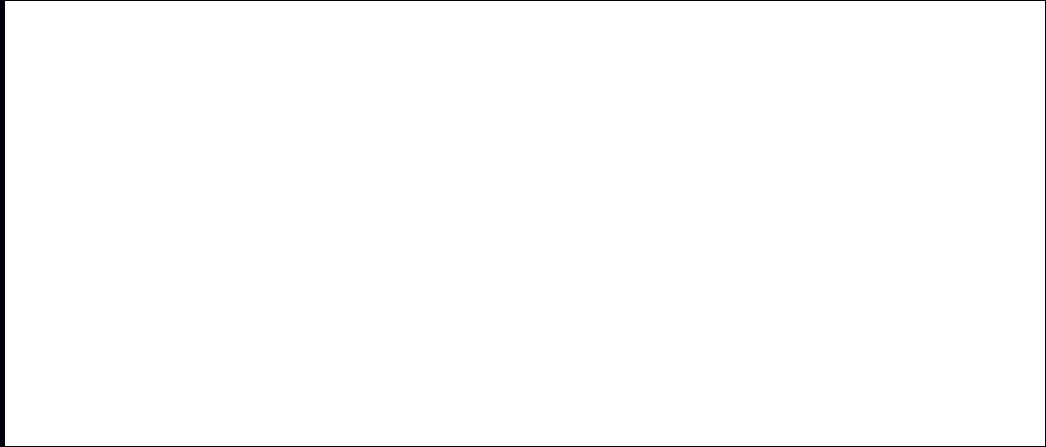
Tow hitch

HID work lights

Challenger **SPRA-COUPÉ 4460 / 4660**

	4460A	4460M	4660A	4660M
Empty Weight - kg	4534		4640	
Operating Weight - kg	6278		6383	
Clearance - cm	91.5	96,5	117	122
Speed ranges	Automatic	Manual	Automatic	Manual
1st - km/h	6.8	6.3	6.8	6.3
2nd - km/h	11.6	10.9	11.6	10.9
3rd - km/h	14.8	16.4	14.8	16.4
4th - km/h	21.9	21.9	21.9	21.9
5th - km/h	29.5	30.4	29.5	30.4
Reverse - km/h	4.7	6.9	4.7	6.9
Tyres	9x24 option 320/85R24		9x24 option 320/85R24	
Front	320/85R24 option 480/65R24		320/85R24 option 480/65R24, 540/65R24	
Rear	Independent strut and spring suspension with oscillating front axle			
Front Suspension	Independent knee action suspension with coil spring			
Rear Suspension	1,83 – 2,60		2,04 – 2.75 Optional 3.00	
Track Width - m				
Engine	Caterpillar®		Caterpillar®	
Make	C-4.4 Acert Tier 3, 4,4 L. Common Rail turbo motor, 125 Hp			
Type	800 rpm		800 rpm	
Low Idle Speed	2200 rpm		2200 rpm	
Governed (full load)	167		167	
Fuel Capacity – L	8.5		8.5	
Engine Oil Capacity - L				
Transmission	Automatic	Manual	Automatic	Manual
Type	Alison 2100 RDS 5 speed	BorgWarner T-5	Alison 2100 RDS 5 speed	BorgWarner T-5
Transmission Oil Capacity	14 L	2.65 L	14 L	2.65 L
Spraying system	Raven™ 460		Raven™ 460	
Spray Controller	Engine mounted, belt driven Hypro® centrifugal pump with electro-magnetic clutch		Voll automatische Aufwandmengensteuerung	
Flow Control	Manual adjust with electric on/off switch in cab		Manuell einstellbare Rührdüsen, elektronischer Ein/Aus – Schalter	
Agitation	1575		1575	
Liquid Tank Capacity - L	Hypro centrifugal pump with electromagnetic clutch		50 mesh	
Product Pump	50 mesh			
Filtration				
Boom	18.3 (60) or 24.4 (80)		18.3 (60) or 24.4 (80)	
Spraying Width - m (ft) USA Steel	3 / 5		3 / 5	
Sections				
Boom height – hydraulic adjustment	0,23 - 1,63		0,53 - 1.93	
Low Position - m	0,63 – 2.03		0,94 - 2,34	
High Position - m				

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Every effort has been made to ensure that the information contained in this publication is as accurate and current as possible. However, inaccuracies, errors or omissions may occur and details of the specifications may be changed at any time without notice. Therefore, all specifications should be confirmed with your Challenger Dealer or Distributor prior to any purchase.

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