

AGROPLUS F ECOLINE



— NEW ZEALAND —
KIWI CLASSIC

DEUTZ-FAHR
AGROPLUS F Ecoline 320/420





AGROPLUS F ECOLINE.
TAILORED SPECIFICALLY
FOR SUPERIOR COMFORT
IN CANOPY WORK.



In such a niche industry such as Kiwifruit, finding quality European tractors that can cater for the specific requirements is no easy task. Fortunately, Deutz-Fahr NZ have answered the call from growers throughout the country to offer a tractor that is fit for purpose in the canopies of the Kiwifruit Orchards.

The Kiwi Classic uses Deutz Fahr's Ecoline F range as the basis of this specialised product which is, in its own right already an exceptionally spec'd machine. Three or four cylinder models are available ranging from 82-95HP with electronic engine governing giving precise engine control and efficient and consistent power delivery. Strong front axles with four-wheel braking are a standard feature making these tractors equally suited to forklift work and trailer work. The heavy back end of the tractors offer up to 3,000KG l.c. and the 45 l/min hydraulic pump with independent steering pump make these tractors as versatile as they are robust.

This tractor offers an excellent foundation for the Kiwi Classic to be built from. But it is the local modifications and engineering – with input from industry experts and daily operators of the machines – that make the Kiwi Classic really stand out amongst the crowd.

AGROPLUS F Keyline	F320	F420
Number of Cylinders	3	4
Max. horsepower	82	95



COMFORTABLE
AND PRACTICAL
WITHOUT COMPROMISE.



Deutz-Fahr's colour coded operator platform makes it simple to operate the tractor and for new operators to learn the controls. All drive and transmission controls are identified in orange while hydraulics are blue, hitch is green and PTO is Yellow. The transmission levers are located within an arms length away on the right hand side of the operator allowing the operator to stay in control and always keep one hand on the steering wheel.

All other controls are positioned in-line with the seat or on the dash to allow for quick and easy access on and off the operators platform. Also for optimum comfort not only has the floor-plate been lowered, the pedal configuration has been adjusted to make sure they're in the most comfortable position for the driver.

The dash provides information to the operator in a clear and organised fashion taking the guess work out of it.



Driver seat and seating position extremely comfortable (750mm).



Adjustable steering column for enhanced operator comfort.



All controls are clearly color coded...



...and arranged conveniently around the driver seat.

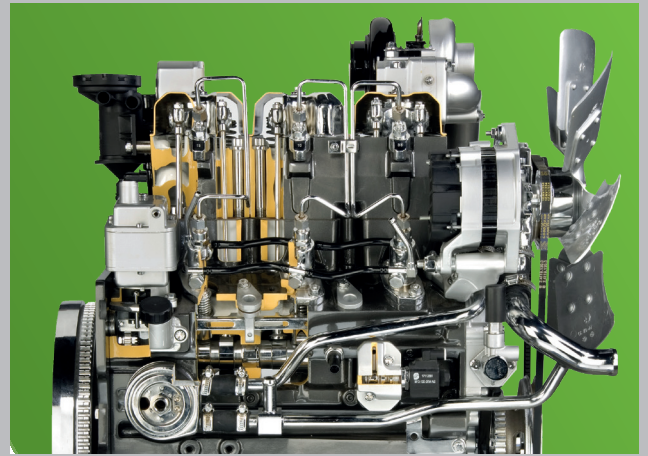
06-07
▶ ENGINE
TRANSMISSION
BRAKE



LIGHT AND AGILE THREE-
CYLINDER, OR LOW DOWN,
POWERFUL FOUR-CYLINDER.
THE CHOICE IS YOURS



Latest transmission technology in a five-speed three range gearbox with underdrive.



Driven by high torque and economic SDF 1000 Tier3 engine.



Rugged and durable both in the field and on the road the front axle also offers a 55° steering angle.

The Agropius F Ecoline *Kiwi-Classik* is powered by the high-torque SDF 1000 Series Tier 3 Engines. The base engine block is tried and tested having been used in SDF products for a number of years, not only in the specialist sector, but also in the larger Ag sector. The engines are known for their low down torque where maximum torque is achieved at just 1600 RPM. The *Kiwi-Classik* is available in either the three litre, three-cylinder 82HP model, or the four litre, four-cylinder 95HP model. Both models feature a turbocharger and intercooler and achieve maximum power at 2,200 RPM.

The transmission is a 30F/15R speed box with five gears, three ranges and an underdrive gear for increased speed accuracy when working with PTO driven equipment. The true four-wheel braking provides superior stopping power while also giving the ability to disconnect the front brakes through an easily accessible valve located under the steering column. This can allow the operator to use side brakes for greater control or sharper turning on tight headlands.

08-09

▶ LIFT
HYDRAULIC
PTO



DEVELOPED AND MODIFIED
LOCALLY TO SPECIFICALLY
SUIT NZ KIWIFRUIT
INDUSTRY REQUIREMENTS



Rolled guards.



Lowered seat and foot wells.



New hydraulic control arrangement and brush guard.

Using industry knowledge and local engineering, Deutz-Fahr New Zealand have adapted this European tractor to specifically suit the requirements of the New Zealand kiwifruit Industry. Talking with growers and operators from within the industry, the key area of importance was a low seat height without compromising operator comfort. When working under canopies, particularly late in the season when fruit is hanging low, a low seat can save hours of discomfort for the operator. Deutz-Fahr New Zealand have made a number of modifications to perfectly tailor a tractor that outshines any other tractor on the market.

Smaller wheel equipment: The Agropius F Ecoline's standard wheel equipment is swapped out for 27/10-15.3 wheels on the front and 365/70R18 wheels on the rear.

Rolled steel guards: New guards have been manufactured to lower the height of the guards and remove unnecessary excessive space around the wheels.

Lowered seat: The Operators seat is lowered to give a total height from the ground to the base of the seat of just 750mm.

Underbody protection: A bash plate is added to the underbody to protect from branches and other objects catching when mulching, etc.

Lowered foot plates: The foot plates have been remanufactured to offer a more comfortable operator position, meaning the operators legs sit more naturally with the lower seat.

Relocation of hydraulic controls: A bracket and control box has been manufactured to allow more comfortable use of hydraulics and keeping all controls close to hand

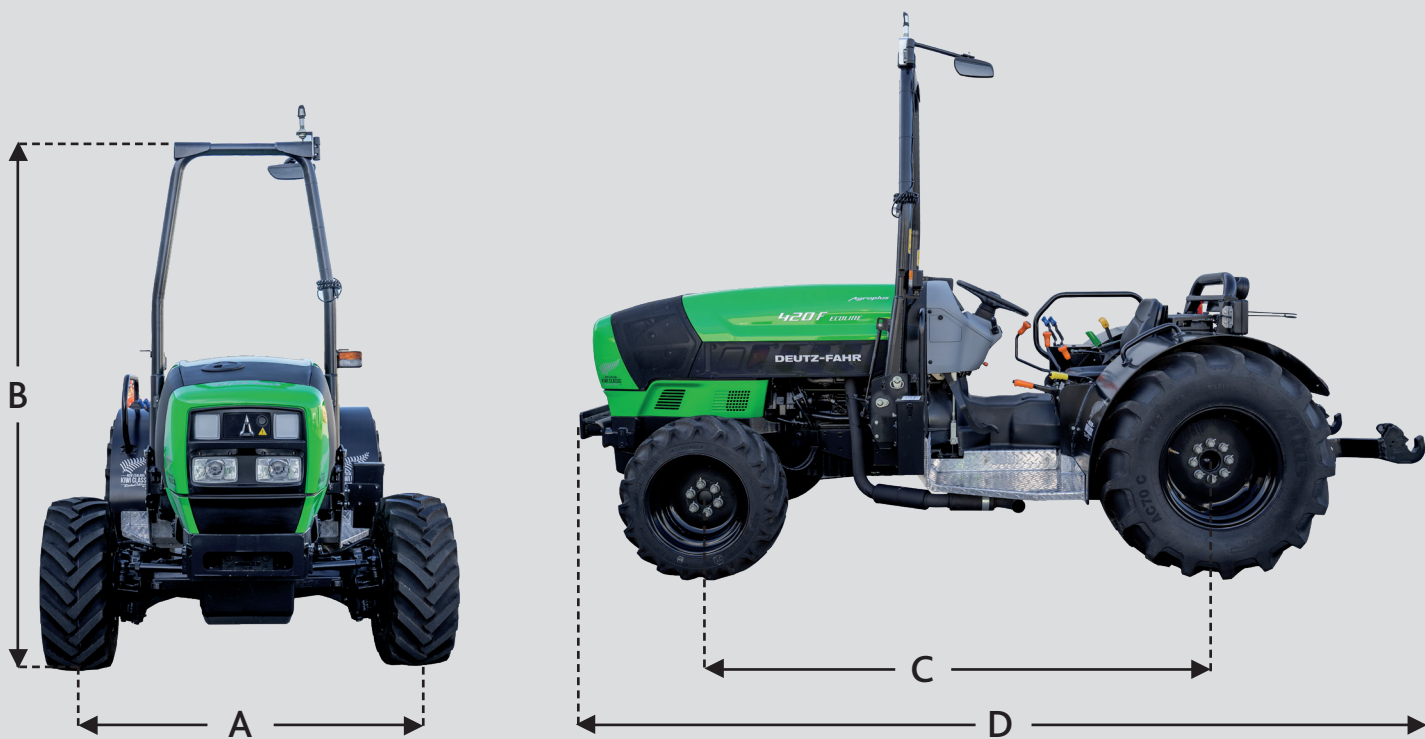
Side rail protection: Protects the newly manufactured hydraulic controls from branches/snags, etc.

TECHNICAL DATA		AGROPLUS F ECOLINE	
		320	420
ENGINE			
Emissions		Tier3	Tier3
Manufacturer		SDF 1000.3 WT	SDF 1000.4 WT
Cylinder / Displacement	No./cc	3/3000	4/4000
Turbocharged intake		-	-
Turbo Intercooler intake		•	•
Max. power	kW/HP	60/82	70/95
Power at rated engine speed	kW/HP	60/82	70/95
Rated speed	rpm	2,200	2,200
Maximum torque	Nm	310	373
Electronic engine governor system		•	•
Air filter with dust ejector		•	•
Cooling liquid		•	•
Under-hood silencer with horizontal exhaust		•	•
Fuel tank capacity	litres	55	55
Biodiesel fuel	%	B100	B100
MECHANICAL GEARBOX			
Synchronised		•	•
Number of speeds with underdrive and supercreeper gear	No.	30+15	30+15
Minimum speed/minimum speed with supercreeper gear	km/h	1.33/0.21	1.33/0.21
Maximum speed	km/h	40	40
Mechanical dry single clutch		•	•
REAR PTO			
Mechanical dry single clutch		•	•
Mechanical independent control		•	•
PTO 540/540ECO		○	○
PTO 540/540ECO + synchro		○	○
PTO 540/540ECO/1000		•	•
FRONT AND REAR AXLE			
Front wheel drive and differentials mechanically engaged		•	•
Rear differential lock mechanically engaged		•	•
Steering angle/Turning radius	degree/mm	60°/3,600	60°/3,700
BRAKES			
Integral braking on all four wheels		•	•
Mechanical hand brake		•	•
STEERING			
Hydrostatic steering system with adjustable steering column		•	•
Independent pump		•	•
HITCH			
Category		II	II
Rear hitch lift mechanical control		•	•
Rear lift capacity	kg	3,000	3,000
HYDRAULIC SYSTEM			
Pump output (std)	l/min	45	45
Open-centre hydraulic system		•	•
Mechanical auxiliary valve control		•	•
Rear auxiliary valve distributors	No.	2	2
DRIVING POSITION			
Side control levers		•	•
Front folding roll bar		•	•
Mechanical suspension driver seat		•	•
Instrumentation analogue		•	•
DIMENSIONS AND WEIGHTS			
Standard rear tyres		380/70R20	380/70R20
Max. length	mm	3208	3338
Width (min-max)	mm	1588-1988	1588-1988
Wheelbase	mm	1990	2120
Front track (min-max)	mm	1165-1442	1165-1442
Rear track (min-max)	mm	1083-1652	1165-1442
Max. height with roll bar	mm	2250	2250
Max. height at hood	mm	1138	1138
Weight with ROPS	kg	2,500	2,650
Maximum permissible load	kg	5,000	5,000

●: Standard ○: Optional -: Not available

Technical data and pictures are indicative. Committed to delivering a product more and more in line with your needs, DEUTZ-FAHR reserves the right to update the specifications of its machines at any time without notice.

	AGROPLUS F ECOLINE 320/420			
	Version 1	Version 2	Version 3	Version 4
Kiwifruit tyre intake equipment 27/10-15.3 front. 365/70 R18 rear	-	•	•	•
Steel guards	-	•	•	•
Lowered seat base 750mm	-	•	•	•
Underbelly protection	-	•	•	•
Throttle body protection	-	•	•	•
Alluminium foot plates	-	-	•	•
Relocated hydraulic controls	-	-	-	•
Right hand brush guard	-	-	-	•



Dealer




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DEUTZ-FAHR is a brand of  SDF

