

FRAZIER

PHANTOM

For Unrivalled Flexibility

New for 98 is the Frazier Phantom. Designed to give the operator new levels of comfort to cope with the demands and the long operating hours of the modern agricultural industry. It widens the choice of models on offer and fits into the range between the well proven 5D and the Frazier flagship, the Stealth.

The Phantom cab is built in house and was ergonomically designed using computer aided techniques. It has a flat floor and forward opening door to give easy access to the new, fully adjustable suspension seat. The controls are placed near to hand and the steering column is adjustable fore and aft to suit different operators.

Visibility is excellent through the tinted glass which is bonded into the cab structure for strength and sealing.

New cab mountings and trim work together to reduce noise levels and add to driver comfort. All Phantoms come with a digital FM radio cassette.

Daily maintenance has been made easier with improved engine access and a tilting roof to give access to the cab filters and the air conditioning - now fitted as standard equipment on all Frazier machines. To keep the interior dirt free the flat floor can be swept or washed out and the lower trim panels are wipe clean.



The Phantom with 1600litre, 24m lightweight sprayer



Operator's view showing fingertip controls

The Phantom chassis is based on that of the 5D and is available with almost endless options. It can be fitted with either 75, 90 or 113hp engines, two or four wheel steering, carrying capacities from 1.5 to 3t (1,000 to 2,000 litre sprayers) and with standard or wide axles to suit track widths from 60 to 80 inches.

Wheel options include 600/50-22.5 low ground pressure wheels making it the ultimate high spec machine with true low ground pressure performance.

Any of the Frazier range of demountable sprayers are available built, as usual, to the customers specifications. Frazier can also now offer a larger choice of tanks from a new stainless steel range designed and manufactured in house. All sprayers have optional tank rinsing and quick filling systems with or without flowmeters.

RDS monitoring and automatic controllers are also available to improve accuracy of application with data down loading becoming a popular option for accurate record keeping.

The Phantom can be supplied as a chassis cab or fitted with a wide choice of demountable equipment including fertiliser and granule spreaders. Various low pressure, intermediate and row crop wheels allow all season use for unrivalled flexibility.

PHANTOM TDI 2000

The new TDI 2000 is the top of the Phantom range and is fitted with the LandRover TDI engine with a dual range, 4 speed automatic gearbox. This is the ideal powerhouse, with plenty of low down torque, to match the latest Frazier 2,000 litre demountable sprayer. The automatic gearbox provides versatility in even the most demanding conditions. It turns difficult operating conditions into a unique driving experience - the torque converter makes the engine impossible to stall even with uphill starts or when creeping around potato row ends. It also means an end to gearchanges as you accelerate up to the high working speeds that the machine is capable of! The dual range means there are plenty of low gears and a high road speed at low engine revs. For the ultimate in traction a lockable centre differential in the permanent four wheel drive system ensures all the wheels keep turning no matter what the conditions.

Please ask for a demo and try the ultimate in drivability yourself!

Specifications

The Phantom is available in many different combinations all based around the same basic chassis/cab unit but with a choice of three different engines and various different carrying capacities. It is recommended that the 75hp engine is used for up to a 1200l sprayer, 90hp up to 1500 litres and 111hp for the 2,000 litre sprayer. The larger engines may be matched with the lighter capacity chassis units but not the other way round. The chassis length and strength, some specifications on the axles (width and brakes for example) and the suspension will vary depending on which engine and sprayer combination is chosen.

☆ Engines/transmissions	Ford XLD 418 TC, 4cyl, 1753cc, turbo diesel, 75 hp, 154 Nm torque with Ford 5 speed syncro gearbox fitted with viscous coupled limited slip centre differential. or Ford XLD 418TCI, 4cyl, 1753cc, turbo/intercooled 90 HP, 184 NM torque with 5 speed synchro gearbox and Quaife torque-biasing centre differential. or LandRover 300TDI 2,500cc turbo/intercooled 111hp, 264Nm torque with 4 speed automatic gearbox + high low/range and lockable centre differential.
☆ Axles	Heavy duty, industrial axles with 4 pin, hypoid differentials. Ratio 6.16 : 1.
☆ Suspension	Heavy duty leaf springs with coil assisters on rear axle and H.D.shock absorbers on front.
☆ Steering	Hydrostatic power steering to front axle with the option of electronically controlled four wheel steering.
☆ Turning circle	10m (33ft) centres on LP tyres and on row crops with 68" track and above (2WS machines). As low as 5.5m with four wheel steering.
☆ Brakes	Servo-assisted, twin line hydraulic system with disks on front and rear axles.
☆ Parking brake	Cable operated, disk type transmission brake mounted on rear axle.
☆ Cab/Instrumentation	Air conditioned / carbon filtered Q. cab with Frazier ICM speed/area/engine monitor. Suspension seat with arm rests & lumber support.
☆ Power take off	Hydraulic, 6HP with in-cab speed control and tachometer. Higher powered and custom systems optional.
☆ Hydraulics	One single acting spool and 3 double acting spools fitted as standard. One further spool may be fitted as an option.
☆ Carrying capacity	Dependent on engine - either 1.75, 2.25 or 2.75 tonnes respectively (Including weight of sprayer, spreader and optional equipment).
☆ Track widths	Std axle LP tyres 68" or 72". (Pre-set) Row crops 60"-72" (adjustable). Wide axle LP tyres 72" or 78" (Pre-set) Row crops 64" - 78" (Standard on TDI2000)
☆ Ground clearance	24" under axle tubes (With 7.2 x 40 or 9.5 x 36 row crop wheels).
☆ Low pressure tyres	Goodyear 38 x 20 x 16 STG Terra Tyre (Standard on TC & TCI) 500/60-22.5 (Standard on TDI) or 600/50-22.5. Other sizes on request.
☆ Row crop wheels	Choice of 7.2 x 40 or 8.3 or 9.5 x 36. Other sizes of R.C. & intermediate on request.
☆ Weight	Dependent on model - Unladen 2.6, 3.0 or 3.5 tonnes respectively (With average alloy boom 24m sprayer) Fully laden 3.9, 4.8 or 5.7 tonnes.

As with the other machines in the range the Phantom is available either as a chassis /cab unit or can be supplied with equipment to suit the customers requirements. The wide range of options include various fertiliser spreaders and granule applicators and the Phantom can also be fitted with up to a 4 metre pneumatic seed drill. Sprayers can be built with a choice of booms from 12 to 28 metres and can be supplied with a choice of different control systems. Other options include bout-markers, slug pellet applicators and higher powered PTO or customised hydraulic systems. Intermediate and high clearance row crop wheels are available for true all-season utilisation and the Phantom is available with the Frazier electronically controlled four wheel steering system for the ultimate in manoeuvrability.

Designed and manufactured in the UK by:

T.J. Frazier Ltd.
The Airfield,
Seaton Ross,
York. YO4 4NF
England

Tel: 01759 318703

Fax: 01759 318769

E-mail: tjf@frazier.co.uk

Web: <http://www.frazier.co.uk>