

115-125 (T3)

NEW

D-MAX



MCCORMICK



McCORMICK

D-Max series, new utility tractor for the global market



Specially developed for non-European markets, the new D-Max series is offered in cab and platform versions. Featuring a simple and rugged design, this tractor is extremely user-friendly and easy to service and can work many hours without stopping to refuel, making it ideal to tackle virtually any tasks in the field and around the farm.

The D-Max 115 and 125 models are powered by FPT NEF4-2V 4.5-liter, 4-cylinder turbo engines that meet the Tier 3 emissions regulations and deliver 112 and 120 hp, respectively.

Both models feature a Speed Four modular transmission with four synchronized gears in three ranges and a left hand steering-column power shuttle. Optionally, the tractor can be equipped with an electrohydraulic T-Tronic transmission that features a 3-speed powershift (H-M-L) and an electrohydraulic power shuttle.

A creep speed transmission is available as an option for both versions. Offered as standard is a two-speed PTO with electrohydraulic control and multi-disc wet clutch. Both four-wheel drive and differential locks are engaged electrohydraulically, which makes driving the tractor with implements attached a lot easier.

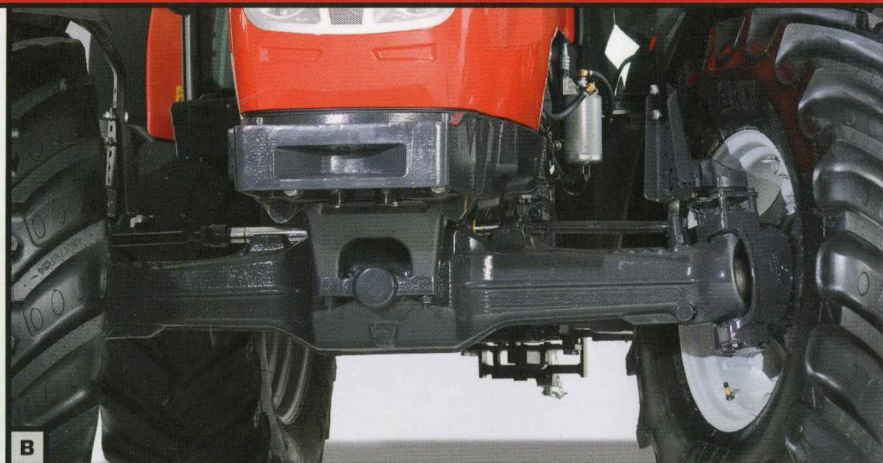
The hydraulic system features as standard a double pump that delivers 66 l/m and 29 l/min to the hitch and steering, respectively. A closed-centre system with a high-flow pump providing 110+38 l/min can be supplied as an option. The tractor comes standard with two remote valves to operate implement hydraulic functions. The rear hitch with 50mm twin assistor rams is mechanically controlled and ensures a lift capacity of 4500 kg. For more precise implement control, the version with closed-centre hydraulics can be equipped with an electronically controlled rear hitch with the same lifting capacity as the mechanical one.

The Deluxe four-post cab offers total comfort for long hours of fatigue-free operation in the field. The version with iso-mounted platform is equally comfortable as the cab version. The folding ROPS can be optionally equipped with a sun canopy.



ENGINE

The D-Max 115 and 125 models feature new FPT NEF4-2V 4.5-liter, 4-cylinder, direct-injection turbo engines with 112 and 120 hp. The turbocharger delivers optimum boost pressure across all speed ranges and the EGR system, combined with the aftercooler, enables these engines to meet the Tier 3 emission regulations. The cooling system is protected by a set of easy-access, easy-clean filters. For operation in hot and dusty environments, a special filter can be fitted. The D-Max tractor features a 180-liter fuel tank for long working days without refuelling. A large, easily accessible filler neck allows for easy filling. The tilt-up hood opens wide to provide easy access to the engine compartment for routine service and maintenance (fig. A).



FRONT AXLE

The front axle with electrohydraulic four-wheel drive engagement by pushbutton ensures safe four-wheel drive operation in any working condition. The 55-degree steering angle and the high ground clearance make for excellent manoeuvrability, while the hydrostatic drive delivers smooth steering control even at low engine rpm. The Twin-Lock electrohydraulic locking differentials at the front and rear are designed to operate in conjunction with the four-wheel drive, maximising traction even in the toughest ground conditions. The rear axle is sturdy and reliable and features wet multi-disc brakes. When braking, the four-wheel drive engages automatically, which in turn brakes the front axle for efficient braking on all four wheels (fig. B).

TRANSMISSION

The D-Max series features a versatile modular transmission (Speed Four) with four synchronized gears in three ranges that provide 12 speeds forward and 12 reverse and a left hand steering-column power shuttle. Optionally, the tractor can be fitted with an electronically-controlled T-Tronic transmission. This offers a three-stage powershift (H-M-L) that can be shifted on the go using the green buttons integrated into the gear lever (fig. C) and an electrohydraulic power shuttle (fig. D) providing 36 forward and 12 reverse speeds. In addition, available for both configurations is a creep transmission that provides a wide range of creep speeds down to 400 m/h. The De-clutch control (orange button integrated into the gear lever) (fig. C) and the left hand steering-column power shuttle (fig. D) allow the operator to easily shift through all gears and change from forward to reverse without using the clutch pedal. A shuttle modulation control (potentiometer, L) integrated into the right-hand console allows adjustment of the power shuttle response to suit implement used and soil conditions (fig. E).





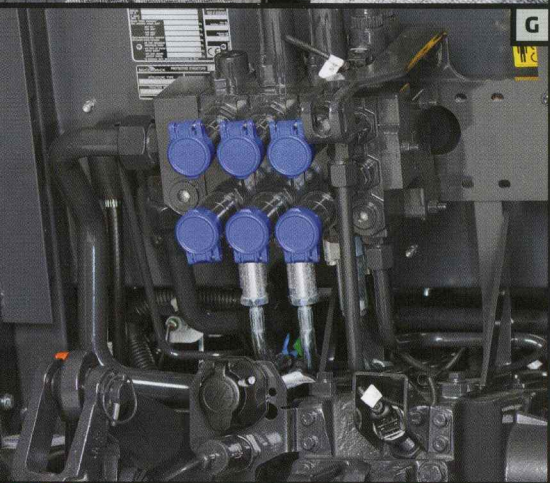
KEY FEATURES & BENEFITS

- › FPT NEF 4.5L TURBO-AFTERCOOLED DIRECT-INJECTION ENGINES
- › 180-LITER FUEL TANK FOR LONG WORKING DAYS WITHOUT REFUELLING
- › ELECTROHYDRAULIC T-TRONIC TRANSMISSION (3-STAGE POWERSHIFT, H-M-L)
- › CHOICE OF 48 FORWARD AND 16 REVERSE SPEEDS WITH CREEPER
- › CLOSED-CENTRE HYDRAULIC SYSTEM WITH HIGH-FLOW PUMP
- › ELECTRONIC REAR HITCH WITH LOWER LINK DRAFT SENSING
- › LIFTING CAPACITY OF ELECTRONIC REAR HITCH 4500 KG
- › CAB WITH ALL-ROUND VISIBILITY



POWER TAKE OFF

The high efficiency of the engine-transmission system ensures increased PTO productivity. On the D-Max tractor, the multi-disc wet clutch is operated via a mushroom button (P) (fig. F) which enables smooth and modulated engagement of the PTO, ensuring a soft start-up of the implement. The PTO offers a choice of two speeds: 540/1000 rpm as standard or, optionally, 540/540E rpm. A ground speed PTO is also available as an option.



HYDRAULIC SYSTEM

The D-Max tractor features an open-centre hydraulic system with a two-stage pump that supplies 66 l/min to the rear hitch and 29 l/min to the steering system. A closed-centre hydraulic system with a high-flow pump that delivers a flow rate of 110+38 l/min for the hitch and steering is available as an option. The tractor features up to three remote valves with controls on the driver's right-hand side allowing an efficient and versatile use of implements. Two valves are controlled by a joystick (1) and can operate a front loader and one is controlled by a lever (2) (fig. F).



REAR HITCH

The D-Max can be specified with either mechanical or electronic rear hitch controls. The electronically-controlled D-Max rear hitch is equipped with lower link draft sensing for accurate implement control and includes all main settings: position, draft and mixed control, float position. Conveniently located on the right-hand console (fig. F), the ergonomically-arranged controls allow for simple and precise implement operation. The three-point linkage is Category II (fig. H) and features 50mm twin assistor rams providing a maximum lift capacity of 4500 Kg.



CAB

Featuring a four-post design with large, rear hinged doors, the Deluxe cab provides exceptional all-round visibility and allows the operator to enter and exit with ease. The interior is fully sound-insulated and equipped with an efficient air-conditioning system that creates a comfortable work environment for long hours in the field. The driving position with ergonomically-arranged controls, air suspension seat and adjustable steering wheel further enhances the operator comfort. An opening roof hatch offers extra visibility for loader operations and six powerful halogen lights provide excellent illumination for night work (fig. I). Also the version with iso-mounted platform comes with sprung seat, adjustable steering wheel and ergonomic controls for maximum operator comfort. The two-post ROPS can be optionally fitted with a sun canopy.

		D-115 MAX	D-125 MAX
ENGINE			
FPT TIER 3A		NEF 4 -2V	NEF 4 -2V
MAX. POWER (ISO)	HP/KW	112/82,5	120/88
RATED SPEED	RPM	2200	2200
MAX. TORQUE	LB. (NM)	374 (510)	378 (515)
MAX. TORQUE SPEED	RPM	1250	1250
BORE/STROKE	IN. (MM)	4.1 / 5.2 (104/132)	4.1 / 5.2 (104/132)
DISPLACEMENT / CYLINDERS	CM ³	273 (4485) /4	273 (4485) /4
WATER COOLING		●	●
DRY AIR FILTER		●	●
FUEL TANK CAPACITY	GAL. (LT)	48 (180)	48 (180)
CLUTCH			
INDEPENDENT DRY SINGLE-PLATE CLUTCH	IN. (MM)	13"(330)	13"(330)
MECHANICALLY OPERATED		●	●
MULTY-DISC WET CLUTCH		○	○
DE-CLUTCH CONTROL: BOTTON OPERATED CLUTCH		○	○
TRANSMISSION			
MECH. REV. SHUTTLE+SPEED FOUR: 12FWD + 12REV 25 MPH (40KM/H)		●	●
MECH. REV. SHUTTLE+SPEED FOUR+CREEPER: 16FWD+16REV 25 MPH (40KM/H)		○	○
HYDR. REV. SHUTTLE+SPEED FOUR+T-TRONIC: 36FWD+12REV 25 MPH (40KM/H)		○	○
HYDR. REV. SHUTTLE+SPEED FOUR+T-TRONIC+CREEPER: 48FWD+16REV 25 MPH (40KM/H)		○	○
SHUTTLE MODULATION CONTROL: POTENTIOMETER FOR ADJUSTMENT OF POWER SHUTTLE RESPONSE		○	○
POWER TAKE-OFF			
WET MULTI-DISC		●	●
ELECTROHYDRAULIC CONTROL		●	●
2 SPEEDS 540/1000 RPM		●	●
2 SPEEDS 540/540E RPM		○	○
1"3/8 (34.9 MM) PTO SHAFT WITH 6 SPLINES		●	●
1"3/8 (34.9 MM) PTO SHAFT WITH 21 SPLINES		○	○
GROUND SPEED PTO		○	○
4WD FRONT AXLE			
ELECTROHYDRAULIC 4WD ENGAGEMENT		●	●
MAX. STEERING ANGLE		55°	55°
TWIN-LOCK ELECTROHYDRAULIC DIFF-LOCKS		●	●
BRAKES			
ANNULAR PISTON REAR BRAKES		●	●
AUTOMATIC 4WD ENGAGEMENT ON BRAKING		●	●
HYDRAULIC POWER LIFT			
DRAFT, POSITION, INTERMIX AND FLOATING CONTROL FUNCTIONS		●	●
MECHANICALLY OPERATED		●	●
ELECTRONICALLY-OPERATED		○	○
LIFTING CAPACITY WITH TWO 2-INCH (50MM) ASSISTOR RAMS	LB. (KG)	9900 (4500)	9900 (4500)
MAX. OPERATING PRESSURE	BAR	180	180
TOTAL PUMP FLOW (HITCH + STEERING)	GPM (LT/MIN)	17.3 + 7.6 (66 + 29)	17.3 + 7.6 (66 + 29)
CLOSED CENTRE SYSTEM PUMP FLOW (HITCH + STEERING)	GPM (LT/MIN)	29 + 10 (110 + 38)	29 + 10 (110 + 38)
CAT 2 THREE -POINT LINKAGE		●	●
REMOTE VALVES STD/OPT		2/3	2/3

Key: ● standard ○ option — not available

		D-115 MAX	D-125 MAX
CAB AND DRIVING SEAT			
MECHANICALLY SUSPENDED SEAT		●	●
SUSPENDED PLATFORM		●	●
REAR FOLDING ROPS		●	●
RIGID SUNROOF		○	○
DELUXE CAB / RADIO ADAPTOR		○	○
HEATING / VENTILATION		○	○
AIR-CONDITIONING		○	○
DIMENSIONS AND WEIGHTS (IN RUNNING ORDER)			
FRONT TYRES		14.9 R24	14.9 R24
REAR TYRES		16.9 R38	16.9 R38
A - LENGTH (WITH BALLAST)	IN. (MM)	187 (4755)	187 (4755)
B - WHEELBASE 4WD	IN. (MM)	100 (2540)	100 (2540)
C - GROUND CLEARANCE 4WD	IN. (MM)	14.5 (370)	14.5 (370)
D - HEIGHT TO ROPS	IN. (MM)	109.5 (2780)	109.5 (2780)
D - HEIGHT TO CAB	IN. (MM)	109 (2770)	109 (2770)
E - MIN. WIDTH	IN. (MM)	82 (2092)	82 (2092)
WEIGHT (WITHOUT BALLAST) 4WD + CAB 550 LB. (350 KG)	LB. (KG)	9240 (4200)	9240 (4200)
OPTIONAL EQUIPMENT			
6 - 8 - 10 FRONT WEIGHTS 92.4 LB. (42 KG) EACH		○	○
2 - 4 REAR WEIGHTS 99 LB. (45 KG) EACH		○	○

Key: ● standard ○ option — not available

