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NEW

X4m



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McCORMICK



New McCormick X4m Series



Specially developed to replace the CL tractor family, the X4m Series is a new range of sturdy, simple tractors designed to deliver new levels of performance.

The X4m Series incorporates advanced technical solutions that minimise operating costs while providing a perfect combination of ruggedness and reliability, making this tractor ideal for field tasks, haymaking and transport operations.

Supplied in both two- and four-wheel drive configurations, the X4m is currently offered as an open-platform tractor; a cab version is slated to become available in future. The range features two different engine options: Perkins Tier3 for the X4.35m model and Deutz Tier4 Final for the X4.20m, X4.30m and X4.40m models. The engine hood has been redesigned to reflect the new McCormick family styling.

Specially developed by Argo Tractors, the versatile Speed Four modular transmission with synchro shuttle offers four synchronized gears in three ranges providing 12 forward and 12 reverse speeds. A creep speed unit with 16 forward and 16 reverse gears and speeds as low as 300 m/h is available as an option.

The 4WD version with electrohydraulic engagement of the four-

wheel drive features a mechanical differential lock on the rear axle and a limited slip differential on the front axle. When the hydrostatic annular-piston rear brakes are operated, the four-wheel drive engages automatically, which in turn brakes the front axle for efficient braking on all four wheels.

The open-centre hydraulic system delivers a flow rate of 45 l/min to operate the hitch and two remote valves. The rear hitch with one assistor ram offers a maximum lift capacity of 3400 kg and can be optionally equipped with Ergonomic Lift System for more comfortable implement operation.

The X4m tractors come with a mechanically-operated PTO offering a choice of one or two speeds in addition to the ground speed for maximum versatility of use.

Located on an iso-mounted platform, the driving position features an adjustable steering wheel and ergonomically-positioned gear levers for maximum operator comfort. A rear folding ROPS and large, wrap-around fenders ensure maximum protection for the operator.

The X4m Series will surprise you with its simple design and its ergonomic comfort.



ENGINE

Three models in the range are powered by the new Deutz C4DT four-cylinder turbo-intercooled engines with two-valve technology and electronic high-pressure common rail injection system. The efficient Deutz injection system provides more power, higher torque backup and better fuel economy, resulting in great flexibility of use. An innovative exhaust gas recirculation system (EGR) with diesel oxidation catalyst (DOC) allows these engines to meet the Tier 4 Final emissions regulation without the use of a diesel particulate filter (DPF), thus eliminating the need for a regeneration process. The Deutz engines powering the X4m Series have a 2.9L displacement and deliver maximum power outputs of 64, 69 and 76 hp. The fourth model in the range is powered by a Perkins naturally aspirated 4.4-liter 4-cylinder Tier 3 engine delivering 74 hp to offer farmers a more cost-effective option. Fully redesigned to reflect the new McCormick family styling, the hood opens wide to provide easy access to the engine compartment for routine service and maintenance and to allow easy cleaning of coolers in dusty conditions (fig. A)

TRANSMISSION

The X4m Series tractors feature a versatile Speed Four modular transmission with four synchronized gears in three ranges and synchro shuttle offering 12 forward and 12 reverse speeds. The gearbox is offered in a 30 km/h version on the 2WD models and in a 40 km/h version on the 4WD models. The creep speed unit, standard on the 2WD models and optional on the 4WD models, provides 16 forward and 16 reverse gears and speeds as low as 300 m/h. The gear and range levers are located on the driver's right-hand side, while the shuttle lever is on the left-hand side. All controls are ergonomically-designed and logically-arranged for maximum comfort and ease of operation (fig. C-D).



FRONT AXLE

The front axle with electro-hydraulic four-wheel drive engagement offers a 55-degree steering angle ensuring excellent ground clearance and optimum manoeuvrability in confined spaces (fig. B). Featuring a limited slip differential lock, the front axle provides maximum traction even in the toughest ground conditions.

INSTRUMENT PANEL AND STEERING WHEEL

The analog instrument panel is stylish and well lighted. The steering wheel can be adjusted in angle via a conveniently positioned foot pedal (fig. E).





KEY FEATURES & BENEFITS

- › ENGINES MEETING TIER4 FINAL EMISSIONS REGULATION
- › EXHAUST GAS RECIRCULATION SYSTEM (EGR) WITH DIESEL OXIDATION CATALYST (DOC)
- › SIMPLE ENGINE MAINTENANCE AND EASY-TO-CLEAN COOLERS
- › 12/12 SPEED FOUR TRANSMISSION WITH SYNCHRO SHUTTLE
- › DRIVING POSITION ON ISO-MOUNTED PLATFORM
- › ONE- OR TWO-SPEED PTO WITH MANUAL CLUTCH FOR SMOOTH AND MODULATED IMPLEMENT START-UP.
- › MECHANICAL REAR HITCH WITH PTO 3400 KG LIFT CAPACITY
- › TWO MECHANICAL REMOTE VALVES FOR IMPLEMENT HYDRAULIC FUNCTIONS



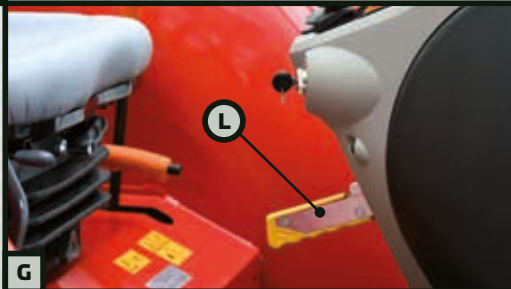
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POWER TAKE-OFF

Mechanically-operated by a lever (L), the clutch enables smooth and modulated engagement of the PTO, ensuring a soft start-up of the implement. The 1 3/8-inch rear PTO come standard with two speeds 540/540E rpm in addition to the ground speed PTO. A 540-rpm PTO and a 540/1000-rpm PTO are also available on request for maximum versatility of use (fig. F-G).

HYDRAULIC SYSTEM

The hydraulic system with double pump has a total flow of 65 l/min and supplies 45 l/min to the hitch and 20 l/min to the steering system. The three-point hitch Category II includes position, draft, mixed and float controls and can lift up to 3400 kg with one optional assistor ram. For more convenient implement operation, the rear hitch can be optionally equipped with Ergonomic Lift System (fig. F-H). The system comes standard with two remote valves controlled by levers located on the driver's right-hand side. The high-quality quick-release couplings, mounted on the rear of the tractor, are easily accessible for convenient and fast operation (fig. H-I).



G



H



I



L

DRIVING POSITION

Located on an iso-mounted platform, the driving position of the X4m series tractor features large wrap-around fenders and is equipped with a fully adjustable sprung seat. The hydraulic steering, the adjustable

steering wheel and the gear levers ergonomically arranged on the driver's side maximise the ride comfort. The rear folding two-post ROPS can be optionally equipped with a sun canopy. (fig. L)

		X4.20m	X4.30m	X4.35m	X4.40m
ENGINE					
TYPE		DEUTZ C4DT45 TIER4 FINAL	DEUTZ C4DT50 TIER4 FINAL	PERKINS 1104D-44 TIER3	DEUTZ C4DT55 TIER4 FINAL
MAX. POWER ISO	HP/KW	64 / 47	69.5 / 51	74 / 54.5	76 / 56
RATED POWER ISO	HP/KW	61 / 45	68 / 50	74 / 54.5	75 / 55
RATED SPEED	RPM	2200	2200	2200	2200
MAX. TORQUE	NM	244	271	261	300
MAX. TORQUE SPEED	RPM	1600	1600	1400	1600
BORE / STROKE	MM	92x110	92x110	105x127	92x110
DISPLACEMENT / NO. OF CYLINDERS	CM ³	2900 / 4 TA	2900 / 4 TA	4400 / 4	2900 / 4 TA
COMPRESSION RATIO		17.2:1	17.2:1	18.2:1	17.2:1
WATER COOLING		●	●	●	●
AIR FILTER		DRY	DRY	DRY	DRY
FUEL TANK CAPACITY	L	75	75	75	75
CLUTCH					
INDEPENDENT DRY DUAL CLUTCH	INCH (MM)	11 (280)	11 (280)	11 (280)	11 (280)
MECHANICAL CONTROL		●	●	●	●
TRANSMISSION					
SYNCHRO SHUTTLE + SPEED FOUR + CREEPER: 16FWD+16REV 30KM/H (2WD VERSION)		●	●	●	●
SYNCHRO SHUTTLE + SPEED FOUR: 12FWD+12REV 40 KM/H		●	●	●	●
SYNCHRO SHUTTLE + SPEED FOUR + CREEPER: 16FWD+16REV 40 KM/H		○	○	○	○
MECHANICAL REAR DIFFERENTIAL LOCK		●	●	●	●
POWER TAKE-OFF					
MECHANICAL CONTROL		●	●	●	●
1 SPEED: 540 RPM		●	●	●	●
2 SPEEDS: 540/1000 RPM		○	○	○	○
2 SPEEDS: 540/540E RPM		○	○	○	○
GROUND SPEED PTO		●	●	●	●
FRONT 4WD AXLE					
ELECTROHYDRAULIC 4WD ENGAGEMENT		●	●	●	●
MAX. STEERING ANGLE		55°	55°	55°	55°
LIMITED SLIP DIFFERENTIAL LOCK		●	●	●	●
BRAKES					
HYDROSTATICALLY-OPERATED ANNULAR-PISTON REAR BRAKES		●	●	●	●
AUTOMATIC 4WD ENGAGEMENT ON BRAKING		●	●	●	●
HYDRAULIC POWER LIFT					
DRAFT AND POSITION CONTROL		●	●	●	●
MECHANICAL CONTROL		●	●	●	●
STANDARD LIFT CAPACITY	KG	2700	2700	2700	2700
LIFT CAPACITY WITH 1 ASSISTOR RAM	KG	3400	3400	3400	3400
HYDRAULIC FLOW (HITCH + STEERING)	L/MIN	45 + 20	45 + 20	45 + 20	45 + 20
THREE-POINT LINKAGE		CAT. 2	CAT. 2	CAT. 2	CAT. 2
REMOTE VALVES STD / OPT		1 / 2	1 / 2	1 / 2	1 / 2

Key: ● standard ○ option — not available

		X4.20m	X4.30m	X4.35m	X4.40m
DRIVING POSITION					
ISO-MOUNTED PLATFORM		●	●	●	●
SPRUNG SEAT		●	●	●	●
ADJUSTABLE STEERING WHEEL		●	●	●	●
ANALOG INSTRUMENT PANEL		●	●	●	●
REAR FOLDING ROPS		●	●	●	●
WEIGHTS AND DIMENSIONS (IN RUNNING ORDER)					
A - TOTAL LENGTH WITH BALLAST WEIGHTS 2WD/4WD	MM	4316/4275	4316/4275	4304/4265	4316/4275
B - MINIMUM WIDTH	MM	1675	1675	1675	1675
C - WHEELBASE 2WD/4WD	MM	2120/2165	2120/2165	2118/2163	2120/2165
D - HEIGHT TO STEERING WHEEL	MM	1620	1620	1620	1620
E - GROUND CLEARANCE 2WD/4WD	MM	374/208	374/208	374/208	374/208
F - HEIGHT TO ROPS	MM	2517	2517	2517	2517
TOTAL WEIGHT WITHOUT BALLAST WEIGHTS 2WD/4WD	KG	2800/3050	2800/3050	2750/3000	2800/3050
TYRES					
FRONT / REAR 4WD (STD)		320/70R20 420/70R28	320/70R20 420/70R28	320/70R20 420/70R28	320/70R20 420/70R28
FRONT / REAR 4WD (OPT)		320/70R24 480/70R30	320/70R24 480/70R30	320/70R24 480/70R30	320/70R24 480/70R30
FRONT / REAR 4WD (OPT)		360/70R20 420/70R30	360/70R20 420/70R30	360/70R20 420/70R30	360/70R20 420/70R30
FRONT / REAR 4WD (OPT)		380/70R20 480/70R30	380/70R20 480/70R30	380/70R20 480/70R30	380/70R20 480/70R30
FRONT / REAR 4WD (OPT)		11.2R24 12.4R36	11.2R24 12.4R36	11.2R24 12.4R36	11.2R24 12.4R36
FRONT / REAR 4WD (OPT)		405/70R20 540/65R30	405/70R20 540/65R30	405/70R20 540/65R30	405/70R20 540/65R30
FRONT / REAR 4WD (OPT)		11.2R24 16.9R30	11.2R24 16.9R30	11.2R24 16.9R30	11.2R24 16.9R30
FRONT / REAR 4WD (OPT)		12.4R20 14.9R30	12.4R20 14.9R30	12.4R20 14.9R30	12.4R20 14.9R30
FRONT / REAR 4WD (OPT)		340/75R20 420/70R28	340/75R20 420/70R28	340/75R20 420/70R28	340/75R20 420/70R28
FRONT / REAR 4WD (OPT)		11.2R20 14.9R28	11.2R20 14.9R28	11.2R20 14.9R28	11.2R20 14.9R28
FRONT / REAR 2WD (STD)		6.00-16 14.9R28	6.00-16 14.9R28	6.00-16 14.9R28	6.00-16 14.9R28
FRONT / REAR 2WD (OPT)		6.50-16 12.4R36	6.50-16 12.4R36	6.50-16 12.4R36	6.50-16 12.4R36
FRONT / REAR 2WD (OPT)		7.50-16 16.9R30	7.50-16 16.9R30	7.50-16 16.9R30	7.50-16 16.9R30
OPTIONAL EQUIPMENT					
6 FRONT WEIGHTS 36 KG EACH		○	○	○	○

Key: ● standard ○ option – not available

