

80-90-100-105 (T3)

F

F | GE | XL




McCORMICK



The McCORMICK F tractors offer a variety of Transaxle, front and rear axle options and a choice of wheelbase and track dimensions. The range comprises three models to suit different applications: the F model for work in small-size, narrow-row orchards, the GE model for work in low-profile and canopy orchards, the XL model for large-row orchards and open-field work.

The hydraulic system features three auxiliary valves as standard for maximum versatility and a hydraulic PTO designed to enhance the implement performance. The front axle provides an excellent steering angle for improved tractor manoeuvrability and is equipped with disc brakes for optimum braking performance on all wheels.

The Deluxe cab, with all-round visibility, air-conditioning, digital instruments and ergonomic controls, provides ease of driving and comfort.

The version with ISO-mounted platform offers the same level of driveability and comfort as the cab version.

The rounded profile of the hood and rear fenders and the folding ROPS allow maximum manoeuvrability within confined spaces for maximum productivity.

With the McCORMICK F tractor in the farm, your orchard will bear more fruits.

The McCORMICK F (T3) range, available with platform or cab, represents a benchmark in the sector of specialised orchard machines.

The McCORMICK F tractors are powered with the new, Tier 3-compliant, 4-cylinder Perkins 1104D series engines up to 100 hp.

The five-speed transmission is available in two versions: mechanical, Speed Five with Synchro Shuttle, and electrohydraulic Power Five with De-clutch Control and Reverse Power Shuttle.



ENGINE

The McCormick F range is powered by the new Perkins 1104D (4-cylinder) engines, in naturally aspirated and turbocharged version. The new engines are equipped with mechanical injection system and deliver 74 to 98.5 HP (ISO). Designed to meet the “Tier 3” emission standards, they are environment-friendly and offer high torque backup, improved fuel efficiency and low noise. The forward tilting hood provides easy access to the engine for routine service and maintenance (*fig. A*).

FRONT AXLE

The McCormick F range offers a choice of two 4WD front axles: narrow for the F and GE models and large for the XL model. Both axles feature a four-wheel drive and a 55° steering angle. The wet disc brakes, combined with the action of the rear brakes, ensure effective braking on all four wheels. The F model is available also with a 2WD front axle (*fig. B*).



DASHBOARD

The stylish dashboard with digital instruments allows simple and fast reading of all information necessary for a correct use of the tractor and implements. The dashboard is further equipped with an on-board computer for automatic calculation of the worked surface area (*fig. C*).

TRANSMISSION

The tractor features a 5-speed transmission (SPEED FIVE). The Power Five option (splitter gear with HI-LO electrohydraulic engagement for 20% speed reduction) enables the number of gears of the basic transmission to be doubled using the green pushbutton integrated in the gear lever (1). POWER FIVE + SPEED FIVE + CREEPER + REVERSE POWER SHUTTLE for a total number of 40 forward and 40 reverse speeds. The DE-CLUTCH CONTROL (orange pushbutton integrated in the gear lever) (2) and the REVERSE POWER SHUTTLE (lever applied to the steering wheel) (3), enable clutchless engagement and reversing of all speeds (*fig. C*).



PTO

The 1³/₈ PTO offers two basic speeds: 540/750 rpm or 540/1000 rpm (optional). The wet disc clutch, hydraulically operated via the pushbutton “P”, enables smooth and progressive engagement of the PTO, preventing abrupt starting of the shaft for maximum comfort (*fig. E*).

ELECTRONIC POWER LIFT (OPTIONAL)

The optional electronic power lift with controls located in comfortable and ergonomic position on the stylish console on the driver's right incorporates all main functions and regulations offering maximum comfort and fingertip control of implements (*fig. E*).

Equipped with a Cat. II three-point linkage (*fig. F*), the power lift ensures a maximum lifting capacity of 892 lbs. The console also includes push button-operated electrohydraulic controls for engagement of the four-wheel drive and simultaneous locking of the rear and front differentials.

HYDRAULIC SYSTEM

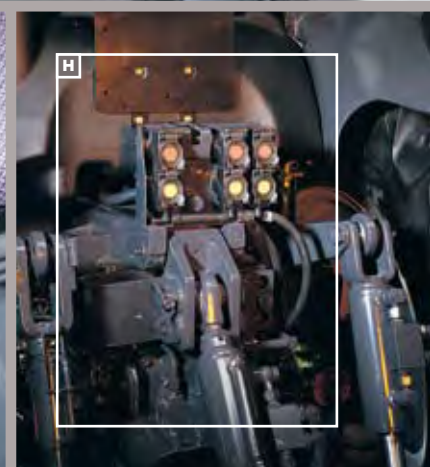
The hydraulic system is powered by a double pump providing a maximum total flow of 22 gal/min and comprises two simple- and double-acting auxiliary valves for the F and GE models and three for the XL model, including a floating one (*fig. G*). A button-operated three-position flow selector can be optionally fitted on the console to alternately activate an auxiliary valve, the right lifting rod or the top link using the lever of one of the valves. In addition, a triple pump with three front auxiliary valves controlled by joystick can be optionally installed, in place of the double pump, to operate front implements.

Easily accessible high-quality, quick-release couplings ensure optimum comfort of operation and improved tractor productivity (*fig. H*).

CAB

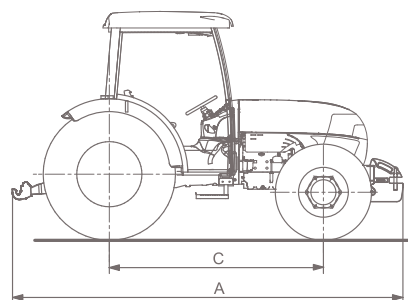
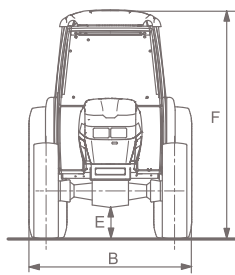
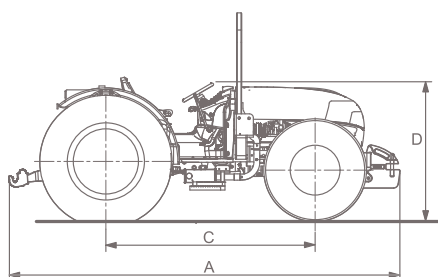
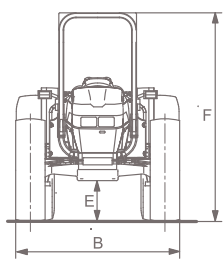
The most outstanding feature of the McCORMICK tractor is the all-round visibility of the “DELUXE” cab provided by the all-glass side doors hinged onto the rear post.

Built using the modern composite materials of automotive design, the interiors are stylish and accurate and feature logically-arranged controls according to current ergonomic standards. The heating/ventilation and air-conditioning system, installed on the cab roof, is integrated by a filter which purifies the air inside the cab improving the driver's comfort, health and safety. Natural ventilation is ensured by the openable front and rear windscreens (*fig. I*).



	F80 F/GE/XL (T3)		F90 F/GE/XL (T3)		F100 F/GE/XL (T3)		F105 F/GE/XL (T3)	
	SYNCHRO SHUTTLE	POWER SHUTTLE	SYNCHRO SHUTTLE	POWER SHUTTLE	SYNCHRO SHUTTLE	POWER SHUTTLE	SYNCHRO SHUTTLE	POWER SHUTTLE
ENGINE								
PERKINS TIER 3 DIRECT-INJECTION ENGINE			1104D-44	1104D-44T	1104D-44T		1104D-44T	
MAX. POWER (ISO)	HP/KW		74 / 54,5	83 / 61	92,5 / 68		98,6 / 72,5	
NET PTO POWER (ISO)	HP/KW		68,5 / 50,5*	77 / 56,5*	85,5 / 62,5*		91 / 67*	
MAXIMUM GROSS TORQUE	FT/LB (NM)		189 (256)	254 (345)	283 (384)		283 (384)	
DISPLACEMENT / NO. OF CYLINDERS	CM ³		4400 / 4	4400 / 4 TURBO	4400 / 4 TURBO		4400 / 4 TURBO	
FUEL TANK CAPACITY F/GE MODELS	GAL (LTR)		11 (43)	11 (43)	11 (43)		11 (43)	
FUEL TANK CAPACITY XL MODEL	GAL (LTR)		17 (65)	17 (65)	17 (65)		17 (65)	
CLUTCH								
INDEPENDENT DRY DUAL CLUTCH	INCH		11	11	12		12	
MECHANICALLY OPERATED			●	●	●		●	
MULTI-DISK WET CLUTCH			●	●	●		●	
DECLUTCH CONTROL: CLUTCH CONTROL BY BUTTON			●	●	●		●	
TRANSMISSION								
SPEED FIVE + MECH. REV. SHUTTLE: 15FWD+15REV			●	●	●		●	
SPEED FIVE + CREEPER + MECH. REV. SHUTTLE: 20FWD+20REV			○	○	○		○	
SPEED FIVE + CREEPER + HYD. REV. SHUTTLE: 20FWD+20REV			●	●	●		●	
POWER FIVE + SPEED FIVE + (CREEPER + HYD. REV. SHUTTLE: 40FWD+40REV			○	○	○		○	
REVERSE POWER SHUTTLE UNDER LOAD			●	●	●		●	
POWER TAKE-OFF								
POWER-ASSISTED MECHANICAL ENGAGEMENT			●	●	●		●	
MULTI-DISK WET CLUTCH.			●	●	●		●	
ELECTROHYDRAULIC ENGAGEMENT			●	●	●		●	
2 SPEEDS: 540/750 RPM			○	○	○		○	
2 SPEEDS: 540/1000 RPM			●	●	●		●	
4WD FRONT AXLE								
HYDRAULIC 4WD ENGAGEMENT			●	●	●		●	
MAX. STEERING ANGLE			55°	55°	55°		55°	
TWIN-LOCK ELECTROHYDRAULIC DIFF-LOCKS			●	●	●		●	
BRAKES								
REAR WET DISC GRAPHITE BRAKES - 8 DISCS			●	●	●		●	
FRONT WET DISC GRAPHITE BRAKES - 4 DISCS			●	●	●		●	
IBS INTEGRAL BRAKING SYSTEM			●	●	●		●	
HYDRAULIC POWER LIFT								
STD LIFT CAPACITY	LBS (KG)		5,732 (2.600)	5,732 (2.600)	5,732 (2.600)		5,732 (2.600)	
HYDR. PUMP FLOW (POWER LIFT+STEERING)	GAL (LTR)/MIN		13.8 (52,3)	13.8 (52,3)	13.8 (52,3)		13.8 (52,3)	
CAT. II THREE-POINT LINKAGE			●	●	●		●	
AUXILIARY VALVES	N°		2 F/GE - 3 XL	2 F/GE - 3 XL	2 F/GE - 3 XL		2 F/GE - 3 XL	
FLOW SELECTOR			○	○	○		○	
TRIPLE PUMP + 3 FRONT VALVES + JOYSTICK			○	○	○		○	
CAB								
AIR CONDITIONING			○	○	○		○	
DIGITAL INSTRUMENTS			●	●	●		●	
WEIGHT AND DIMENSIONS (IN RUNNING ORDER)								
WITH TYRES			14.9R24	14.9LR20	14.9R24	14.9R24	14.9LR20	14.9R24
A - LENGTH 2WD/4WD	IN (MM)		193 (4900)	193 (4900)	193 (4900)	193 (4900)	193 (4900)	193 (4900)
B - MIN. WIDTH	IN (MM)		52 (1319)	56 (1435)	58 (1479)	52 (1319)	56 (1435)	58 (1479)
C - WHEELBASE 2WD	IN (MM)		85 (2174)	—	—	85 (2174)	—	—
C - WHEELBASE 4WD	IN (MM)		84 (2134)	84 (2134)	84 (2134)	84 (2134)	84 (2134)	84 (2134)
D - HEIGHT TO STEERING WHEEL	IN (MM)		57 (1450)	51 (1300)	57 (1450)	57 (1450)	51 (1300)	57 (1450)
E - GROUND CLEARANCE	IN (MM)		10 (265)	9 (230)	10 (265)	10 (265)	9 (230)	10 (265)
F - HEIGHT TO ROPS	IN (MM)		86 (2186)	85 (2150)	90 (2286)	86 (2186)	85 (2150)	90 (2286)
F - OVERALL HEIGHT TO TOP OF CAB	IN (MM)		88 (2250)	—	88 (2250)	88 (2250)	—	88 (2250)
WEIGHT 2WD* + (CAB 130 KG)	LB (KG)		5765 (2615)	—	—	5765 (2615)	—	—
WEIGHT 4WD* + (CAB 130 KG)	LB (KG)		6272 (2845)	5600 (2540)	6316 (2865)	6272 (2845)	5600 (2540)	6316 (2865)

Key: ● standard ○ option — not available * Power estimated by Manufacturer



McCormick International USA, Inc.
 2590 Breckenridge Blvd.
 Duluth, GA 30096
 866.327.6733
www.McCormickUSA.com

