



Available in the V (T3) series for vineyards and the F-N (T3) series for narrow orchards, this ultra-compact tractor range has been redesigned to offer improved gearbox controls, a new steering wheel with extra tilt adjustment and a new rounded hood with integrated rectangular headlights.

The folding ROPS, available on the platform version, allows the operators to manoeuvre with ease when space is at a premium.

Moreover, the front axle's 55° steering angle and the integral braking action on all 4 wheels, make the V / F-N tractors extraordinarily easy to handle.

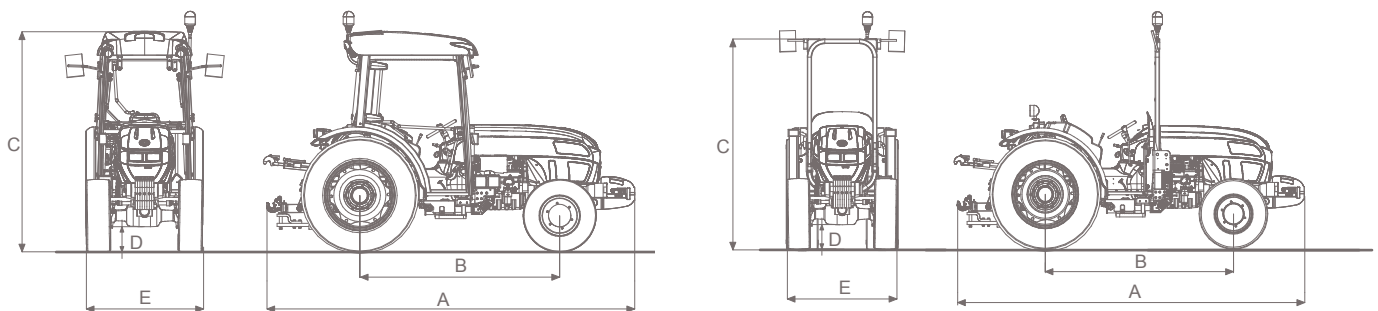
Powered by a new Perkins Tier 3 4-cylinder turbocharged engine delivering 83 hp, the range features a modular transmission that provides up to 32 forward and 16 reverse speeds with creep option and a power lift with 2.600 Kg lift capacity.

Despite their compact dimensions, the McCormick V / F-N tractors are equipped with a roomy, pressurized and air-conditioned cab offering the operators a comfortable environment, while providing exceptional all-round visibility.

With a McCormick V / F-N tractor in the field, your productivity is guaranteed to increase.

		<b>McCORMICK</b>	
		90 V (T3)	F 90 N (T3)
<b>ENGINE</b>			
PERKINS TIER 3 DIRECT-INJECTION ENGINE		1104D-44T	
MAX. POWER (ISO)	HP/KW	83 / 61	
MAX. TORQUE	NM	352	
NO. OF CYLINDERS/ DISPLACEMENT	CM <sup>3</sup>	4400 / 4 TURBO	
FUEL TANK CAPACITY	LTR	45	
<b>CLUTCH</b>			
INDEPENDENT DRY DUAL CLUTCH	INCH	11	
<b>TRANSMISSION</b>			
SPEED FOUR + OVERDRIVE + MECH. REV. SHUTTLE: 24FWD+12REV (40KM/H)		●	
SPEED FOUR + OVERDRIVE + CREEPER + MECH. REV. SHUTTLE: 32FWD+16REV		○	
ELECTROHYDRAULIC DIFF-LOCK ON REAR AXLE		●	—
<b>POWER TAKE-OFF</b>			
POWER-ASSISTED MECHANICAL ENGAGEMENT		●	
2 SPEEDS: 540/750 RPM		●	
GROUND SPEED PTO		●	
NET PTO POWER (ISO)	CV/KW	70 / 51,5	
<b>ASSALE ANTERIORE 4RM</b>			
CON INNESTO AUTOMATICO DOPPIA TRAZIONE IN FRENATA		●	—
CON N° 4 DISCHI A BAGNO D'OLIO		—	●
ANGOLO MASSIMO DI STERZO 4RM		55	
INNESTO ELETTROIDRAULICO 4RM		●	
BLOCCAGGIO SIMULTANEO DIFFERENZIALI ELETTROIDRAULICO		—	●
<b>BRAKES</b>			
REAR WET DISC GRAPHITE BRAKES - 8 DISCS		●	
IBS INTEGRAL BRAKING SYSTEM		●	
<b>HYDRAULIC POWER LIFT</b>			
MECHANICAL		●	
ELECTRONIC		○	
STD LIFT CAPACITY	KG	2600	
HYDR. PUMP FLOW (POWER LIFT+STEERING)	LTR/MIN	52,3 + 29,9	
CATI AND CAT. II THREE-POINT LINKAGE		●	
HYDRAULIC ADJUSTMENT OF RIGHT LIFTING ROD		●	
HYDRAULICALLY ADJUSTABLE SIDE STABILISERS WITH LOWER LINKS WITH QUICK-RELEASE COUPLINGS		○	
REAR AUXILIARY VALVES: STD/OPT		3 / 4	
FLOW SELECTOR		○	
TRIPLE PUMP + 4 FRONT OUTLETS (QUICK-RELEASE COUPLINGS) ON THE RIGHT		○	
FRONT AUX. VALVE FOR HYDR.MOTOR, 2 OUTLETS (QUICK-RELEASE COUPLINGS) ON THE LEFT		○	
<b>CAB AND DRIVING POSITION</b>			
4-POST DELUXE CAB / AUTO-RADIO FITTING FACILITIES		●	
AIR CONDITIONING		●	
ISO-MOUNTED PLATFORM		●	
<b>WEIGHT AND DIMENSIONS WITH TYRES</b>			
		12.4 R28	13.6 R24
A - LENGTH (WITH BALLAST WEIGHTS)	MM	3932	
B - WHEELBASE 2WD	MM	2100	
B - WHEELBASE 4WD	MM	2130	
C - HEIGHT OVER CAB	MM	2370	
C - HEIGHT TO ROPS	MM	2280	
D - GROUND CLEARANCE 2WD	MM	420	
D - GROUND CLEARANCE 4WD	MM	330	
E - MIN/MAX OVERALL WIDTH	MM	1140/1377	
WEIGHT 2WD (WITHOUT WEIGHTS, WITH CAB)	KG	2565	
WEIGHT 4WD (WITHOUT WEIGHTS, WITH CAB)	KG	2575	

Key: ● standard ○ option — not available





**NEW**

90 (T3)

# V/F-N



  
**McCORMICK**





McCormick **V** and **F-N (T3)**,  
the **best** specialists between the **ROWS**





**Perkins**  
Diesel Power

## ENGINE

The V / F-N tractors are powered by a new, environment-friendly Perkins 1104D 4-cylinder turbo engine that delivers 83 HP (ISO rating), while providing low emission levels in accordance with the Tier 3 standards. Specially developed for farming applications, this new engine incorporates state-of-the-art solutions designed to optimise the air-fuel mixture, thereby improving combustion and engine efficiency. Higher horsepower and torque with lower operating costs are thus achieved. The new forward tilting hood provides easy access to the engine compartment for routine service and maintenance (*fig. A*)

## FRONT AXLE

### Front axle McCormick V (vineyard)

With four-wheel drive and 55° steering angle, the front axle of the V model provides excellent manoeuvrability. When the rear wet disc brakes are operated, the four-wheel drive is automatically engaged via a “spring-on” device, thus ensuring effective braking on all four wheels (*fig. B*).

### Front axle McCormick F-N (narrow orchard)

With four-wheel drive and 55° steering angle, the front axle of the F-N model is equipped with wet disc brakes which, combined with action of the rear brakes, ensure effective braking on all four wheels. (*fig. C*).



## DASHBOARD

The stylish dashboard features analog instruments for simple and fast reading (*fig. D*).

## TRANSMISSION

The gear and reverse shuttle levers are located on the driver's side in forward position and allow 24 forward and 12 reverse speeds to be selected in complete comfort. The power shuttle lever is used not only to reverse all gears of the basic transmission but also to activate the overdrive which enables a maximum speed of 40 km/h to be achieved (*fig. D*).

The transmission can be optionally equipped with a creeper to obtain a total of 32 forward and 16 reverse speeds.

## PTO CLUTCH LEVER

The hydraulically-operated clutch lever (L) enables smooth and progressive engagement of the PTO for soft starting of the implements. The 1”3/8 PTO provides two speeds: 540/750 rpm (standard) or 540/1000 rpm (optional) (*fig. D*).

## DIFF-LOCK AND 4WD ENGAGEMENT

Il bloccaggio simultaneo dei differenziali anteriore e posteriore e l'innesto della doppia trazione sono a comando elettroidraulico a pulsante (*fig. E*).











McCormick **V** and **F-N (T3)**  
the **ultra-compact**



## ELECTRONIC POWER LIFT

With controls arranged in ergonomic position on the stylish oval-shaped console (fig. E) located on the driver's right, the optional electronic power lift features all main functions and regulations and provides comfortable fingertip control of all implements.

The Cat. II three-point linkage (fig. F) provides a maximum lift capacity of 2600 kg. The lift lower links can be equipped with extractable and adjustable couplings.

## HYDRAULICS

The hydraulic system is powered by a double pump providing a maximum total flow of 82 l/min and comprises a mechanical power lift and three auxiliary valves mechanically operated by lever. A triple pump increasing the maximum flow to 101 l/min can be optionally fitted to operate an electronic power lift and three mechanically-controlled auxiliary valves. In this configuration, in addition to the three auxiliary valves supplied as standard (1), the tractor can be optionally equipped with: a 4th auxiliary valve (3) with hydraulic flow selector (2) to control either the right lifting rod or the lower link stabilisers, a 5th electronically-operated auxiliary valve (4), a 6th lever-operated auxiliary valve (5) for control of hydraulic motors, with quick-release couplings applied to the front of the tractor (fig. E).

The high-quality quick-release couplings, mounted either on the front or rear of the tractor, ensure optimum comfort of operation and improved tractor productivity.

## CAB

Despite their compact dimensions, the new V and F-N tractors feature a comfortable cab with curved windows for extra room and all-glass side doors hinged onto the rear post for all-round visibility.

Large access doors allow the operator to enter and exit the cab with ease.

The interior is extremely stylish and accurate, with logically-arranged controls according to current ergonomic standards. The adjustable seat and the height adjustable steering wheel further enhance the driving comfort.

The heating/ventilation and air-conditioning system is installed on the cab roof and integrated by a filter designed to purify 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. G).

