

FPT INDUSTRIAL POWERS NEW EUROPEAN TRACTOR BRAND MANCEL (YTO) WITH ITS STAGE V ENGINES

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FPT Industrial is powering new tractors produced in France by **Mancel**, a newly established manufacturer that represents the European interests of **YTO**, part of the China-based group **Sinomach**, which has activities in agricultural and construction machinery. Mancel has committed to using FPT Industrial's reliable and powerful **N45 Stage V** engine, which will be exhibited on Stand H023 (Hall 4) during **SIMA 2019** (Paris, February 24th to 28th).



PRESS RELEASE



One of the Mancel tractors displayed at SIMA

The N45 Stage V engine offers maximized power, torque and transient response, and features the exclusive **HI-eSCR2** after-treatment system, which ensures compliance with Stage V while maintaining a **low Total Cost of Ownership**.

The four-cylinder engine for Mancel offers **peak power up to 115 kW** and **torque up to 640 Nm**. The model is part of FPT Industrial's proven NEF series, which totals 1.7 million engines produced since 2001.

FPT Industrial's HI-eSCR2 technology is the Brand-patented solution to comply with Stage V emission regulations and its key elements are: Diesel Oxidation Catalyst (DOC), AdBlue injector and an integrated SCR system capable of limiting both NOx and PM. The system improves **sustainability, performance** and **operating costs** and it is **maintenance-free**.



The FPT Industrial N45 Stage V engine

For FPT Industrial, the collaboration with Mancel marks the start of a partnership with YTO, a leading tractor manufacturer in China.

Mancel will design and build tractors at the historic **Saint-Dizier** facility, a well-regarded site in the farming industry, which was established between 1949 and 1950. This site, located in the agriculturally rich Haute-Marne region of northeast France, holds more than 70 years of experience and know-how in transmissions and tractors.

The Mancel tractors powered by FPT Industrial will initially be available from 2020 in four models, with a peak power range from 120 to 156 hp.

N45 Stage V Specifications for Mancel

Architecture:	In-Line 4-cylinder engine
Injection System:	Common rail (up to 1,600 bar)
Air Handling:	Wastegate Turbocharger
Valves per cylinder (number):	4
Displacement (l):	4.5
Bore x Stroke (mm):	104 x 132
Max Power (kW/hp) model 1:	89 kW / 121hp @ 1900 rpm
Max Power (kW/hp) model 2:	98 kW / 133hp @ 1800 rpm
Max Power (kW/hp) model 3:	107 kW / 145hp @ 1800 rpm
Max Power (kW/hp) model 4:	115 kW / 156 hp @ 1800 rpm
Max Torque (Nm) model 1:	470 Nm @1500 rpm
Max Torque (Nm) model 2:	550 Nm @1500 rpm
Max Torque (Nm) model 3:	590 Nm @1500 rpm
Max Torque (Nm) model 4:	640 Nm @1500 rpm
EGR:	NO
ATS:	HI-eSCR2

FPT Industrial is a brand of CNH Industrial, dedicated to the design, production and sale of powertrains for on and off-road vehicles, marine and power generation applications. The company employs more than 8,000 people worldwide, in ten manufacturing plants and seven R&D Centres. The FPT Industrial sales network consists of 73 dealers and about 800 service centres in almost 100 countries. A wide product offering, including six engine ranges from 42 hp up to 1,006 hp, transmissions with maximum torque of 200 Nm up to 500 Nm, front and rear axles from 2 to 32 ton GAW (Gross Axle Weight). FPT Industrial offers the most complete Natural Gas engines line-up on the market for industrial applications, including engine ranges from 136 hp up to 460 hp. This extensive offer and a close focus on R&D activities make FPT Industrial a world leader in industrial powertrains. For further information, visit www.fptindustrial.com.

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