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Deutz-Fahr 4E Series Keyline tractors

Designed for emerging markets, the new DEUTZ-FAHR **4E Series Keyline** is an extraordinarily versatile and robust family of tractors with a modern, attractive design and offering superior comfort.

Designed in accordance with the latest standards for ergonomics, the driver zone features rationally organised and clearly identified controls that are intuitive and simply to use. The range consists of 4 models with power outputs from 45 to 60 HP and with 2 or 4 wheel drive. Equipped with tried and tested transmissions and engines, and with potent hydraulic rear lifts, the new 4E Series Keyline tractors are capable of working effectively with a wide range of mounted and towed implements that would normally only be usable with much more powerful tractors.

The all-flat platform facilitates access, while the adjustable driver seat, offered as standard, includes an effective mechanical suspension system adjustable to suit the weight of the operator. Intelligently organised controls and the modern analogue instrument cluster ensure that all the main operating parameters of the machine are clearly visible at all times, maximising productivity. A two-pillar rear ROPS structure is available to protect the driver.

The **engines** powering the new 4E Series Keyline family of tractors are built for total reliability: these are proven, fuel efficient powerplants, with a compact 3-cylinder power plant chosen specifically to accentuate the already superb agility of these machines.

The 4046 E Keyline is equipped with a 2700 cm³ naturally aspirated Simpson engine with a maximum power output of 45 HP. The 4050E Keyline is powered by a 50 HP SDF engine, while the 4055E Keyline and 4060E Keyline feature the same SDF engine, but with turbo-intercooled forced induction, delivering maximum power outputs of 55 and 60 HP respectively. All of these engines are compliant with Stage 3A emission regulations. Compliance with these regulations has been attained without an exhaust aftertreatment system and, as a result, without calling for extra components needing additional maintenance or the use of additives. The outstanding fuel efficiency of these engines means that the 55 litre tank is more than adequate to keep on working uninterrupted for hours on end even in the toughest conditions. The modern, tapered design of the steel engine hood, and the location of the engine air filter, inside the engine bay and out of the line of sight of the operator, ensure an unobstructed forward view.

The transmission has been optimised for sturdiness, reliability and extraordinary productivity. Based on a 4 speed gearbox with two or three ranges, the fully synchronised mechanical **transmission** is offered in 8+2, 12+3, 8+8 or 12+12 speed configurations to

cater for even the most demanding applications. For effortless long distance journeys by road, all transmission configurations offer a top speed of 34 km/h.

To maximise the versatility and configurability of these tractors, the rear axle is available as “Light” and “Heavy Duty” variants. On 4-wheel drive versions, models up to 55 HP feature a DANA front axle, while the 4060E Keyline is equipped with an SDF front axle.

The possibility of fitting tyres up to 650 mm in diameter at the front and 675 mm at the rear offers impressive ground clearance, making 4E Keyline tractors even more versatile. The extreme agility of this new family of tractors is the result of a compact wheelbase of just 1.95 m combined with an impressive steering angle of 55°, allowing for very tight headland turns.

The comprehensive choice of **PTO** configurations offered for the 4E Series Keyline family caters for the needs of even the most demanding customer, making these tractors even more versatile and letting users maximise efficiency in the field even when working with implements requiring significantly less power than the tractor is capable of delivering. The combinations available offer the universal 540 speed mode along with either 1000 rpm or 540 ECO mode, while a reversible PTO is offered as an option. The PTO is engaged and disengaged with a dual action dry plate clutch operated progressively with a practical hand lever.

The open centre **hydraulic system** is fed by a gear pump with a maximum output of 31 l/min (or 27 l/min on the 4046 E Keyline), and features 4-way rear hydraulic distributors. For outstanding driver comfort, all versions come as standard with a hydraulic power steering system with independent pump. The rear lift (with Cat. II three-point linkage) has an impressive maximum lift capacity of 1600 kg, and is equipped as standard with the Easylift system.

DEUTZ-FAHR stands for technological top performance at the highest level. A brand focused on productivity – from tractors and combines to a variety of work equipment.

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About the SDF Group:

SDF with headquarters in Treviglio (Bergamo, Italy) is a worldwide leading manufacturer of tractors, combines, harvesting machines and engines. The company markets its products under the brand names DEUTZ-FAHR, SAME, Lamborghini, Hürlimann and Grégoire. The tractor division covers a power spectrum from 39 to 340 hp, while the harvester division features a range between 32 and 395 hp.

SDF has 8 production sites, 13 sales subsidiaries, 2 joint ventures, 141 importers and more than 3,000 authorised dealers worldwide, and employs more than 4,200 people. In 2018, the company achieved a turnover of 1.373 billion euros and an EBITDA of 8.9%

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