

SCHÄFFER TECHNOLOGIES EFFICIENCY SYSTEMS



Multi High Flow

Multi High Flow (MHF) is a patented feature that optimises the efficiency of the remote hydraulics by using patented valve technology. Unlike previous machines that required a powerful engine to supply high oil flows, for example the Schäffer 50hp machines deliver a flow rate of up to 81l/min to the high flow circuit. This allows work movements such as lifting and lowering, as well as hydraulic auxiliary drives, can be operated simultaneously without impairing the main function of the attachment. At the same time, the machine can be operated at reduced engine speeds should the full hydraulic output not be required. This technology allows customers to use more frugal and compact wheeled loaders in those applications that used to be reserved for much higher-powered machines and operating weights.

Benefits:

- Higher oil flow increases machine versatility
- Simultaneously operates multiple hydraulic functions without noticeable power drop
- Selectable maximum pump output
- Extra pressureless return line

Video: www.schaeffer.de/mhf-video



High Traction Force

HTF, or 'High Traction Force', automatically regulates the thrust so the loader can supply the highest possible thrust even in a high gear. HTF uses an axial piston-bent axis motor that regulates speed automatically depending on the traction. This is particularly useful in an uphill position as the driver does not have to switch to first gear.

Benefits:

- Very high thrust forces
- No need to manually shift down a gear when going uphill
- Even at high speed the maximum thrust is always available, e.g. when driving in heaps
- Enhanced driving comfort, faster working

Video: www.schaeffer.de/htf



Eco Mode

Eco Mode provides additional savings in fuel consumption and emissions. After the operator enables Eco Mode, the system reduces and controls the engine speed to optimise fuel economy without impacting the maximum forward speed. At the same time, the reduced speed ensures a significantly lower noise level. Depending on machine and application, the feature can reduce fuel consumption by up to 15%.

Benefits:

- Fuel saving, reduction in operating costs
- Lower noise level
- Environmentally-friendly operation
- No restrictions on performance

Video: www.schaeffer.de/eco-mode

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Schäffer Power Transmission

Thanks to the Schäffer Power Transmission (SPT), the drive is adapted to the torque of the diesel engine, for a multitude of advantages: operating costs decrease as the diesel fuel consumption is reduced. The optional potentiometer acts as a speed limiter. The loader keeps a constant speed automatically and independently from the motor speed – especially convenient when working with fodder dosing devices, straw distributors, mulchers or brooms.

Benefits:

- Higher efficiency, lower fuel consumption and reduced operating costs
- Extra safety functions including overheating and over rotation protection to make the loader safer and more reliable
- Different parameters for different drive characteristics
- Optional potentiometer that works to maintain a constant speed regardless of the motor speed. This is particularly useful when working with straw spreaders, mulchers, brooms or snow blowers
- Optional accelerator pedal control with hand throttle
- Greater agility and more driving fun!

 **Video:** www.schaeffer.de/spt



Schäffer Dual Clutch Transmission

Dual-clutch gearbox, which combines the benefits of powershift transmission with a purely hydrostatic autodrives. Electronically controlled drive ensures that the machine operates at a high level of efficiency.

Benefits:

- Huge level of thrust make it easy to fill and move a clamp silo
- Most jobs can be carried out in a single operation, takes the strain off the clutch and the gearbox and thereby extends their service life
- Top speed of 40 kph, the best conditions even for usage in different areas throughout your business
- Fuel economy through increased machine efficiency, reduction in operating costs