

Case presents wheel loader at the Agritechnica

On the Case IH stand of this year's Agritechnica in Hanover the Case Construction Equipment brand will also be represented by a 721F wheel loader.

For some time now it has been possible to observe the use of construction machines in a steadily broadening segment of highly varied agricultural applications, especially in the production of biogas. For dumping and compressing silage and for charging the fermenter the Case wheel loaders of the types 721, 821 and 921 are already being used with great success.

In terms of their design wheel loaders are made for high pushing power ratings and compared with normal tractors they have a substantially greater operating weight. The 721F weighs about 15 tonnes, and the 921F even almost 20 tonnes. This great weight has the enormous benefit during operation that with the bucket tilted the material is taken up, distributed and at the same time optimally compressed.



When pushing silage in particular the new F series has a number of advantages with its 5-gear transmission and open ZF axles, which permit absolutely friction-lock operation. Even on the extremely light material which hardly binds even when wet the machines provide optimum traction and pushing power.

A special plus is the cooling system with its a reversible fan. Whereas in other machines work has to be suspended to laboriously remove dust and fibres from the coolers by hand, with the F series all you have to do is push a button in the cabin and the dirt is simply blown out. In all, the cooling performance is substantially more effective thanks to the compact cooling box. Since the system is cooled exclusively using fresh air, a much lower fan speed is required for a greater performance, which means less noise and lower diesel consumption. With the new, economical SCR system the consumption in the F series models in loading mode is only about 11 l in the 721F and in the 921F about 14 l.

Modern engines with SCR technology have in the agricultural domain a clear cost advantage due to the lower fuel consumption, but they also provide a further benefit: they do not need a particle filter which has to be burnt out regularly at extremely high temperature, and with the injected urea they substantially lower the exhaust temperature thus prevent flying sparks. There therefore reduce the fire hazard greatly in sensitive operational areas where there is highly combustible material.

To suit the specific use Case offers a wide selection of special buckets and mounted devices which permit optimum use of the machine's power. In addition, in the new series adapted accessories are also available, such as special agricultural tyres with especially high-grip tread and excellent aquaplaning characteristics.

Technical data

| Model | Engine power | Operational weight  | Bucket capacity |
|-------|--------------|---------------------|-----------------|
| 721F  | 195 bhp      | 14,700 to 14,950 kg | 2.5 to 8.0m³    |
| 821F  | 227 bhp      | 17,600 to 18,240 kg | 3.0 to 9.0m³    |
| 921F  | 242 bhp      | 19,200 to 19,857 kg | 3.5 to 9.5m³    |

Case Construction Equipment sells and supports a full line of construction equipment around the world, including the No. 1 loader/backhoes, articulated trucks, crawler and wheeled excavators (including compact), telescopic handlers, motor graders, wheel loaders (including compact), vibratory compaction rollers, crawler dozers, skid steers, compact track loaders, tractor loaders and rough-terrain forklifts. Through Case dealers, customers have access to a true professional partner—with world-class equipment and aftermarket support, industry-leading warranties and flexible financing. More information is available at [www.casece.com](http://www.casece.com).